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Oil and Gas Unit

Quarterly Update

September 1989



Oil and Gas Unit

Quarterly Update

ENERGY RESOURCES CONSERVATION BOARD

Editorial correspondence to

Drilling and Production Department
Energy Resources Conservation Board

1989 edition, published quarterly

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OIL AND GAS UNITS

NEW UNITS

Carrot Creek Cardium "I" Pool Unit No. 1
Hays Lower Mannville "O" Pool Unit No. 1
Welling Bow Island Gas Unit No. 1
Wood River D-2A Unit

REVISED UNITS

Alderson Milk River Gas Unit No. 1
Alderson MR-MH Gas Unit
Alderson Second White Specks Gas Unit No. 2
Bashaw Basal Quartz Gas Unit No. 1
Bashaw D-3A Unit No. 1
Bellroy Gas Unit No. 1
Bellshill Lake Ellerslie Unit
Bigoray Nisku "C" Pool Unit No. 1
Blood Bow Island A Gas Unit No. 1
Blue Rapids Cardium Unit No. 1
Bonnie Glen Cardium Unit No. 1
Bonnie Glen D-3A Gas Cap Unit
Boundary Lake South Triassic E Pool Unit
Boundary Lake South Triassic H Unit
Brazeau River Gas Unit No. 1
Brazeau River Nisku "F" Pool Unit
Buck Creek Cardium Unit No. 1
Calgary Basal Quartz Unit No. 1
Calgary Crossfield Unit No. 1
Calgary Elkton Unit No. 1
Caroline Cardium "B" Sand Unit No. 1
Carstairs Elkton Unit
Chinchaga West Gas Unit
Clive D-2 Unit No. 1
Clive D-3A Unit No. 1
East Crossfield Unit
Cyn-Pem Cardium "D" Unit No. 1
Cynthia Cardium Unit No. 1
Cynthia Cardium Unit No. 2
Cynthia Cardium Unit No. 3
Cynthia Cardium Unit No. 4
Cynthia Cardium Unit No. 5
Deer Mountain Unit No. 1
South Elkton Unit No. 1
Elnora Gas Unit
Erskine Gas Unit No. 1
Erskine Leduc D-3A Unit No. 1
Fenn-Big Valley Viking Gas Unit No. 1
Ferrybank Belly River Gas Unit
Freeman Unit No. 1
Gilby Jurassic "B" Unit No. 1

Gilby Lower Mannville Ostracod Unit No. 1
Gilby Viking "B" Unit No. 1
Goose River Unit No. 1
Greencourt East Gas Unit No. 1
Greencourt Gas Unit No. 1
Huxley Gas Unit No. 1
Inverness Unit No. 1
Joffre D-2 Unit No. 1
Judy Creek West Beaverhill Lake Unit
Kakwa Cardium "A" Unit
Kaybob Notikewin Unit No. 1
Leduc-Woodbend D-2 Unit
Leduc-Woodbend D-3 Unit
Leismer East Gas Unit No. 1
Little Bow Upper Mannville "I" Unit
Lobstick Cardium Unit
Malmo D-3B Gas Unit
Maple Glen Gas Unit
Markerville Gas Unit No. 1
Mazeppa Crossfield Unit No. 1
Medicine Hat Hilda Gas Unit
Medicine Hat MH "D" Gas Unit
Medicine Hat Milk River Gas Unit No. 1
Medicine River Unit No. 4
Medicine River Viking "D" Unit No. 2
Nipisi Gilwood Unit No. 1
Niton Unit
Norbuck Basal Belly River B Pool Unit
Nordegg Gas Unit No. 1
Oyen Gas Unit No. 3
North Paddle River Gas Unit
Pembina Belly River "X" Unit
Pembina Belly River "DDD" Unit No. 1
Northwest Pembina Cardium Unit No. 1
Pembina Cardium Unit No. 11
Pembina Cardium Unit No. 20
Pembina Cardium Unit No. 31
Pembina Easyford Cardium Unit No. 1
Pembina Keystone Cardium Unit No. 2
Peminba Keystone Cardium Unit No. 3
Pembina Nisku "M" Unit
Pembina Nisku "N" Pool Unit No. 1
Pembina Nisku "O" Pool Unit No. 1
Pembina Nisku "P" Pool Unit No. 1
Pembina Nisku "Q" Pool Unit No. 1
Progress Halfway Gas Unit No. 1
Provost Viking Veteran Unit

Rowley Belly River Gas Unit No. 1
Snipe Lake Beaverhill Lake Unit No. 1
Sousa Bluesky-Gething Gas Unit
Sullivan Lake Gas Unit No. 1
Swan Hills Beaverhill Lake "C" Unit No. 1
Swan Hills Unit No. 1
Taber North Unit
Taber South Bow Island Gas Unit No. 1
South Three Hills Creek Unit
Turin Upper Mannville H Pool Unit
Ukalta Gas Unit No. 1
Viking Kinsella Wainwright B Pool Unit No. 1
Virginia Hills BHL Unit No. 2
Virginia Hills Unit No. 1
Wainwright Unit No. 7
Warburg Belly River "M" Unit
Westerose Leduc (D-3) Unit
Westerose South (Dick Lake) Leduc Unit
Whitecourt Gas Unit No. 1
Wildcat Hills Unit
Willesden Green Cardium Unit No. 6

The following Units were revised but Company Names, Unit Areas, or Final Participation were not affected.

Crossfield Turner Valley Unit No. 1
Harmattan East Viking Unit No. 1
Harmattan Elkton Unit No. 1
Harmattan Leduc Unit No. 1
Jumping Pound West Unit No. 1
Jumping Pound West Unit No. 2
Lookout Butte Rundle Unit No. 1
Medicine Hat Roseglen Gas Unit
Monogram Unit
Pembina Belly River "B" East Unit
Pembina Cardium Unit No. 5
East Swan Hills Unit
Three Hills Gas Unit No. 1
Wainwright Unit No. 4
Wainwright Unit No. 6
Willesden Green Cardium Unit No. 8
Wimborne Leduc (D-3) Unit No. 1

CARROT CREEK CARDIUM "I" POOL UNIT NO. 1

Located in the Carrot Creek Field

Unit Operator - Consolidated Norex Resources Corp.

Initial Effective Date - 1 July 1989

*Unitized Zone - Cardium Formation within the Unit Area

*Unitized Substance - Petroleum substances obtained from the Unitized zone.

<u>Working Interest Owners</u>	<u>Participation Interests</u>
Consolidated Norex Resources Corp.	49.56114
Ricinus Resources Ltd.	11.64408
Mission Resources Limited	11.64408
Norpet Resources Limited	11.64408
Knee Hill Energy Canada Ltd.	13.69049
Cobblestone Resources Ltd.	0.72645
Cattalo Resources Ltd.	0.54484
Prominence Resources Ltd.	0.54484
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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CARROT CREEK CARDIUM I POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 JULY 1989

UNIT OPERATOR - CONSOLIDATED NOREX RESOURCES CORP.

HAYS LOWER MANNVILLE "O" POOL UNIT NO. 1

Located in the Hays Field

Unit Operator - Morrison Petroleum Ltd.

Initial Effective Date - 1 April 1989

*Unitized Zone - Lower Mannville Formation within the Unit Area.

*Unitized Substance - Petroleum substances in or obtained from the Unitized zone.

<u>Working Interest Owners</u>	<u>Participation Interests</u>
Canadian Pioneer Energy Inc.	1.16995
Colenco Petroleum Ltd.	4.40000
Derwent Petroleum Ltd.	4.40000
Fortune Petroleum Ltd.	1.89496
Joss Energy Ltd.	13.20000
Mission Resources Limited	1.75504
Morrison Petroleum Ltd.	36.00494
Northern Development Company Limited	17.67598
Redeagle Resources Ltd.	1.54630
Swade Resources Ltd.	0.69533
Wintershall Oil of Canada Ltd.	<u>17.25750</u> <u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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HAYS LOWER MANNVILLE O POOL UNIT NO.1 

INITIAL EFFECTIVE DATE - 1 APRIL 1989

UNIT OPERATOR - MORRISON PETROLEUMS LTD.

WELLING BOW ISLAND GAS UNIT #1

Located in the Blood Field

Unit Operator - Pacific Cassiar Limited

Initial Effective Date - 1 June 1989

*Unitized Zone - Bow Island Formation within Unit Area

*Unitized Substance - Petroleum Substances or obtained from the Unitized Zone

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Juniper Holdings Limited	10.00
Pacific Cassiar Limited	80.00
Rampage Holdings Limited	10.00
	<u>100.00</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

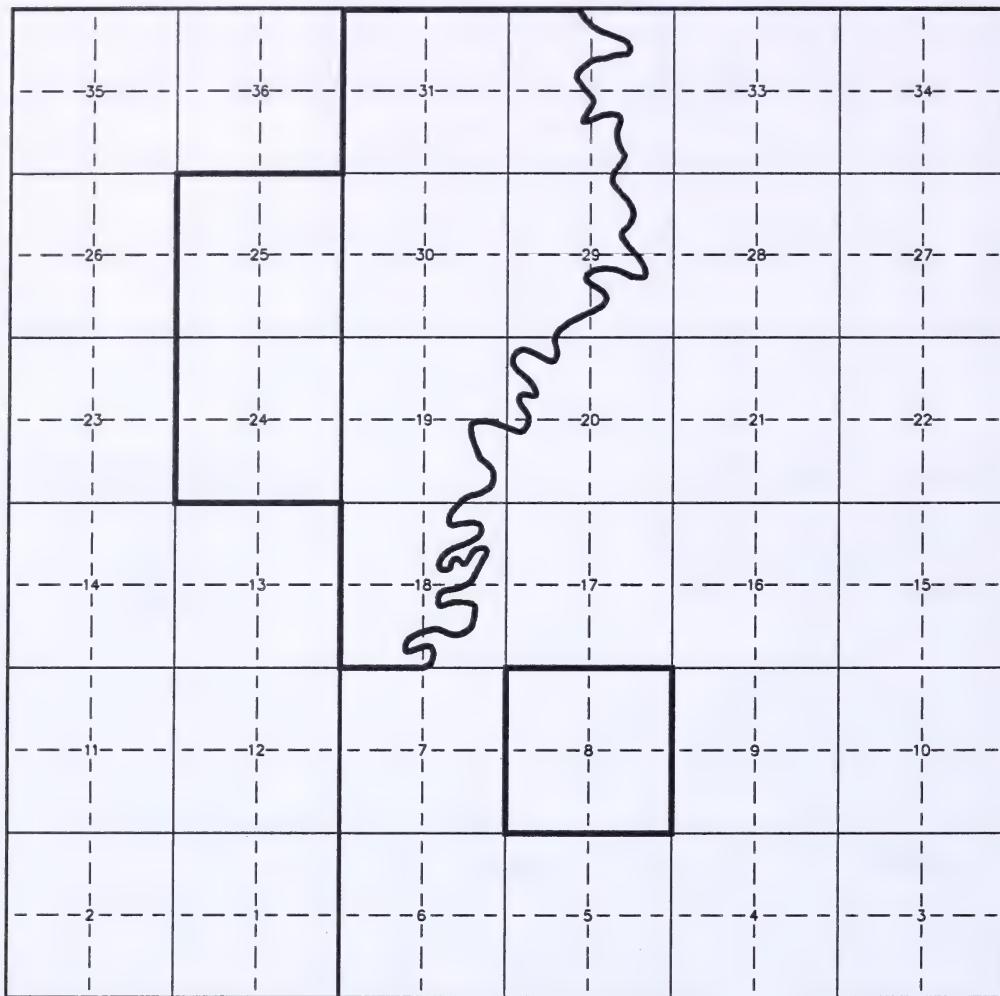
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WELLING BOW ISLAND GAS UNIT NO.1

INITIAL EFFECTIVE DATE - 1 JUNE 1989

UNIT OPERATOR - PACIFIC CASSIAR LIMITED

ERCB

WOOD RIVER D-2A UNIT

Located in the Wood River Field

Unit Operator - Sceptre Resources Limited

Initial Effective Date - 1 November 1987

*Unitized Zone - Nisku (D-2) Formation within the Unit Area

*Unitized Substance - Petroleum substances in or obtained from the unitized zone

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Anderson Exploration Ltd.	8.86434	9.63841
Bellport Resources Ltd.	1.99794	1.13851
Candev Investments Ltd.	0.03145	0.02160
Candor Investments Ltd.	8.07488	7.68327
Canadian Superior Oil Ltd.	2.20966	3.32831
Chadon Resources Ltd.	0.16647	0.11240
Consumers Co-Operative Refineries Limited	14.53751	17.05354
Dorchester Exploration Inc.	3.88489	2.21376
Fossil Oil & Gas Limited	4.15455	2.36739
Kandex Resources & Development Ltd.	7.61686	9.35952
Lacana Petroleum Limited	2.27132	1.55973
Nucorr Petroleum Ltd.	5.24903	3.60453
Oakwood Petroleum Ltd.	18.04391	22.23189
Placer Cego Petroleum, A Division of Placer Dome Inc.	0.00000	0.64805
Probe Exploration & Development Ltd.	2.80986	1.72313
Prodeco Oil & Gas Co. Ltd.	3.11593	1.77556
Robinson Resources Ltd.	5.19325	2.95936
Sceptre Resources Limited	5.67317	7.76744
Silverton Resources Ltd.	3.66906	2.51956
Tourigny Management Ltd.	0.89430	0.85182
Ultramar Oil and Gas Canada Ltd.	1.54162	1.44222
	100.00000	100.00000

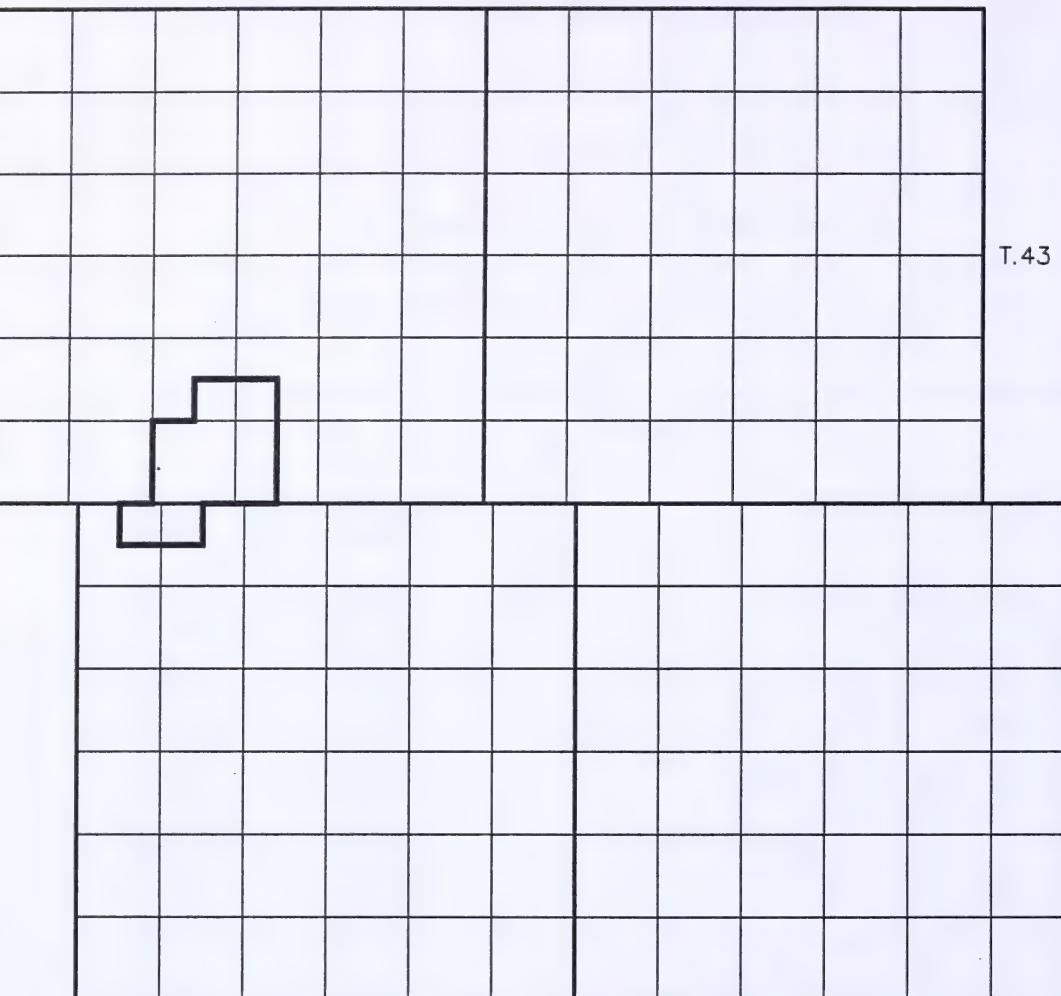
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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WOOD RIVER D-2A UNIT

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1987

UNIT OPERATOR-SCEPTRE RESOURCES LIMITED

ERCB

ALDERSON MILK RIVER GAS UNIT NO. 1

Located in the Alderson Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 December 1975

Participation Revised - 1 July 1989

*Unitized Zone - Milk River Formation

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.63036
PanCanadian Petroleum Limited	2.34495
Petro-Canada Inc.	55.08080
Texaco Canada Resources	38.94389
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

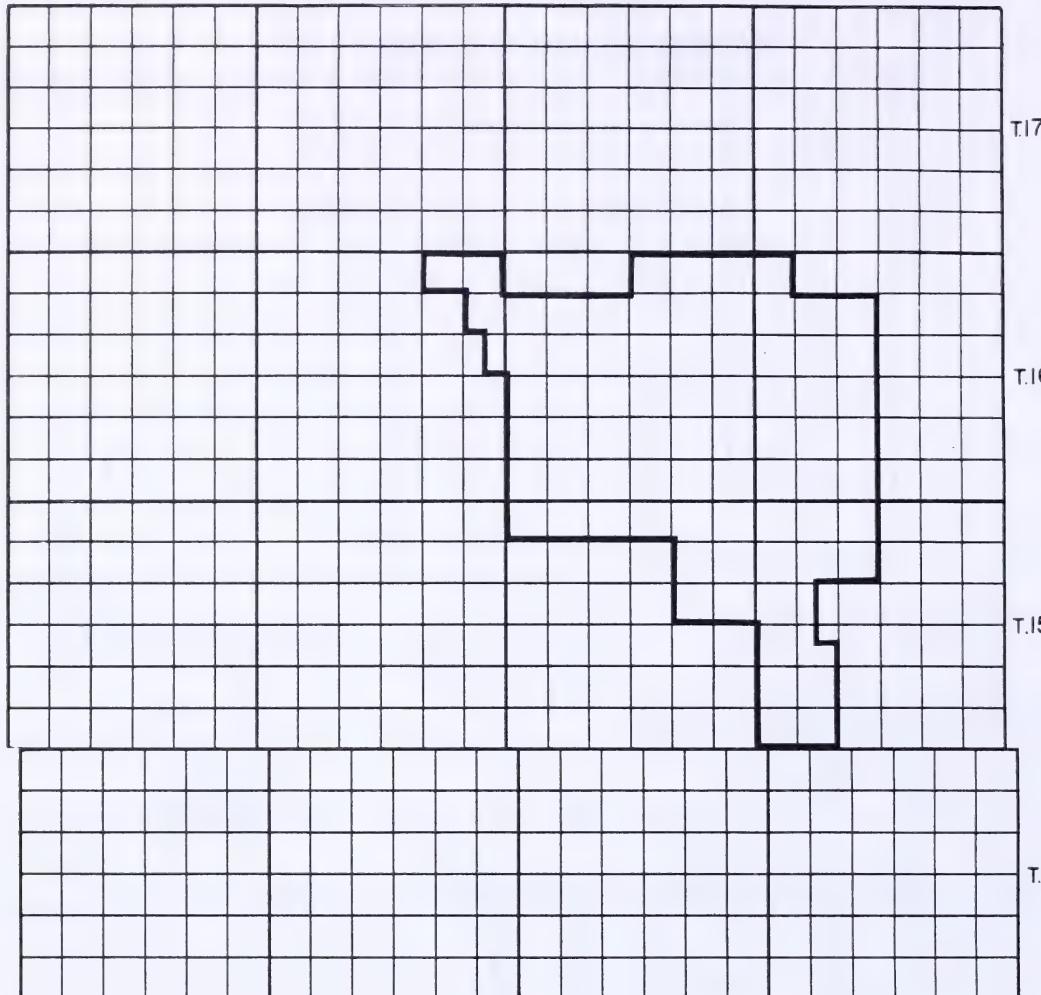
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ALDERSON MILK RIVER GAS UNIT NO.1

 ERCB

INITIAL EFFECTIVE DATE - 1 DECEMBER 1975

UNIT OPERATOR - PETRO-CANADA INC.

ALDERSON MR-MH GAS UNIT

Located in the Alderson Field

Unit Operator - Esso Resources Ventures Limited

Initial Effective Date - 1 February 1976

Participation Revised - 1 September 1989

*Unitized Zone - Milk River Formation and Medicine Hat Formation

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	1.44765
Esso Resources Ventures Limited	<u>98.55235</u>
	100.000000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

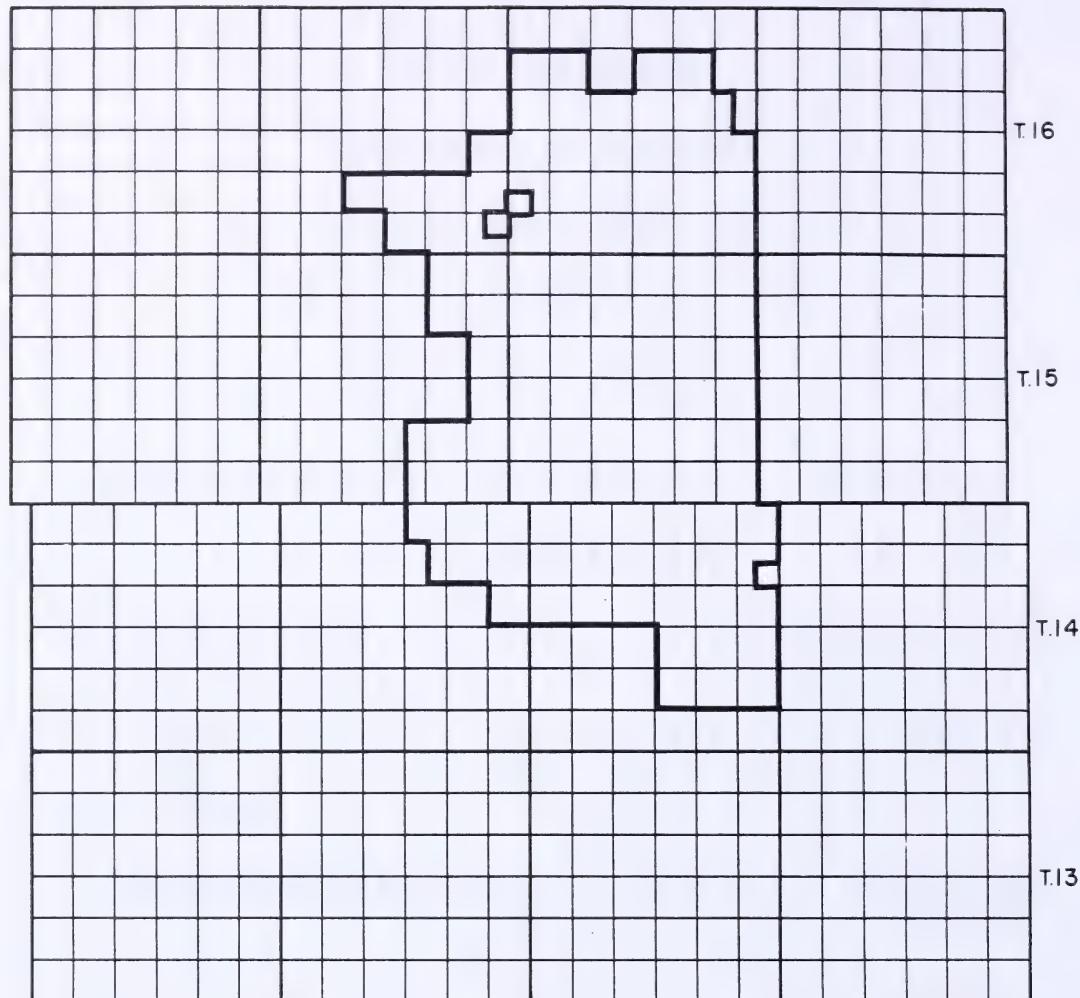
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ALDERSON M.R. - M.H. GAS UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 FEBRUARY 1976

UNIT OPERATOR - ESSO RESOURCES VENTURES LIMITED

ALDERSON SECOND WHITE SPECKS GAS UNIT NO. 2

Located in the Alderson Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 June 1968

Participation Revised - 1 July 1989

*Unitized Zone - Second White Specks Formation

*Unitized Substance - Natural gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.59129
PanCanadian Petroleum Limited	10.40235
Petro-Canada Inc.	62.30543
Texaco Canada Resources	24.70093
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

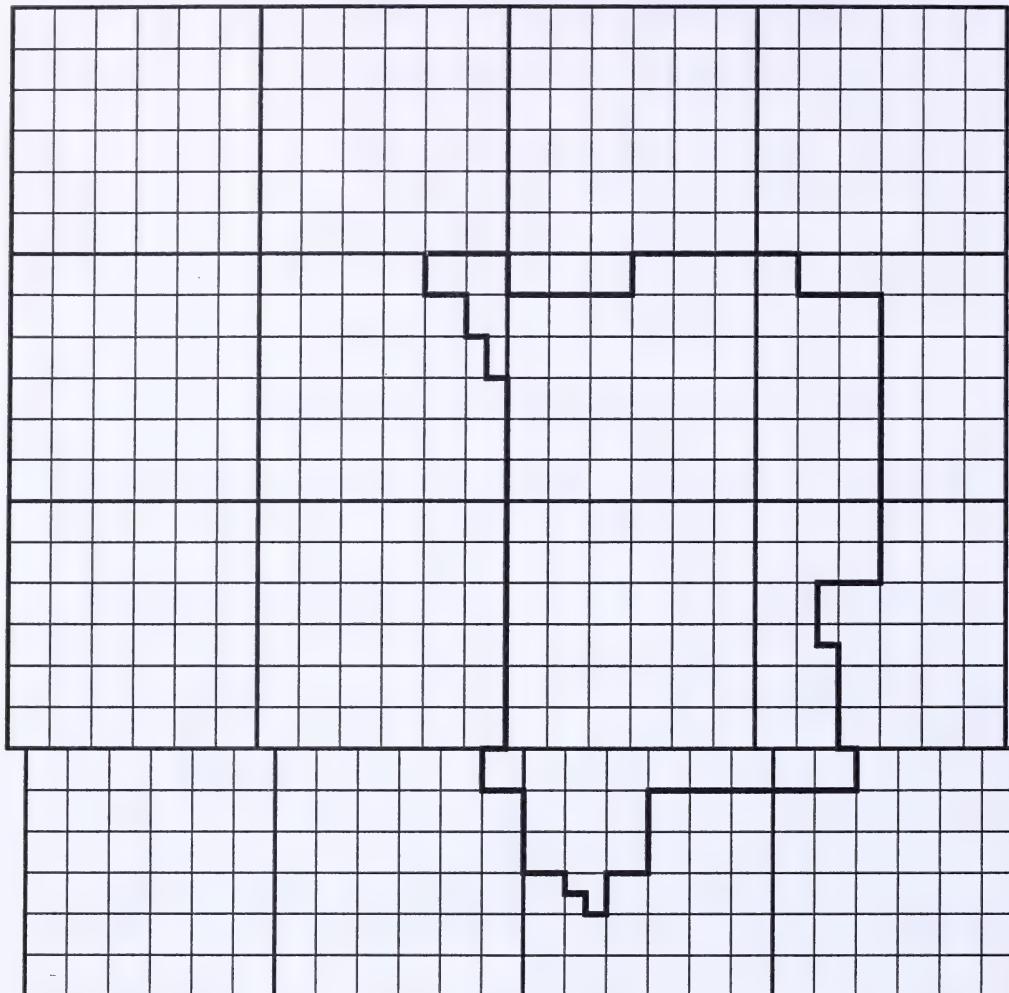
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ALDERSON SECOND WHITE SPECKS
GAS UNIT NO.2

INITIAL EFFECTIVE DATE - 1 JUNE 1968

UNIT OPERATOR - PETRO-CANADA INC.

ERCB

BASHAW BASAL QUARTZ GAS UNIT NO. 1

Located in the Bashaw Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 April 1977

Participation Revised - 1 August 1989

*Unitized Zone - Basal Quartz Zone

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	10.1496
Esso Resources Canada	22.1436
Gulf Canada Resources Limited	40.5984
Kerr-McGee Corporation	4.1666
PanCanadian Petroleum Limited	22.9418
	100.0000

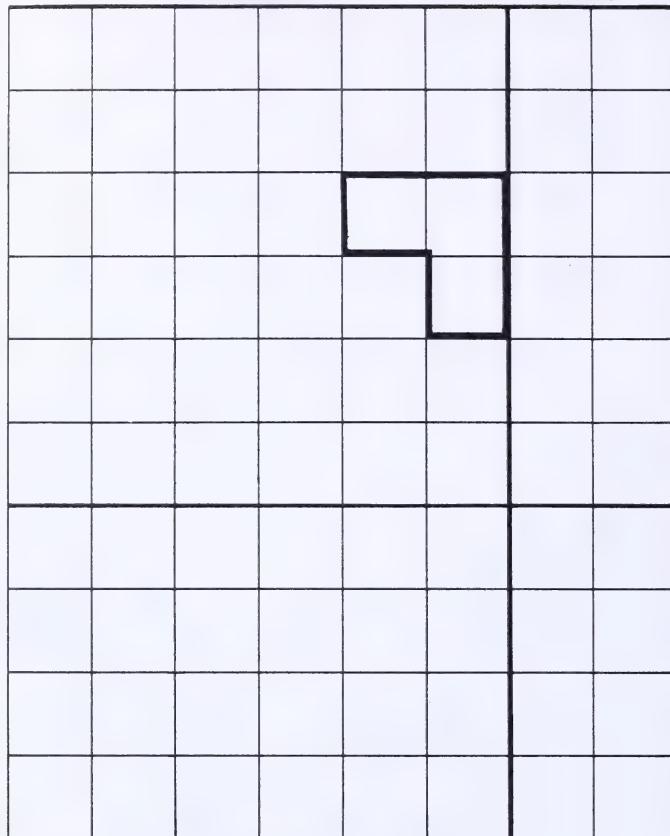
*For a complete definition of unitized zones and substances see Unit Documents

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ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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BASHAW BASAL QUARTZ GAS UNIT NO.1

INITIAL EFFECTIVE DATE — APRIL 1, 1977

UNIT OPERATOR — GULF CANADA RESOURCES LIMITED

BASHAW D-3A UNIT NO. 1

Located in the Bashaw Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 December 1977

Participation Revised - 1 August 1989

*Unitized Zone - Leduc Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adanac Oil & Gas Limited	2.30740
American Leduc Petroleums Ltd.	4.89650
Amoco Canada Resources Ltd.	5.39064
Bellport Resources Ltd.	0.08253
Chevron Canada Resources	0.93065
Corvair Oils Ltd.	0.28040
Encor Energy Corporation Inc.	0.77009
Enerplus Resources Corporation	0.11950
Esso Resources Canada	3.28695
First Guardian Petroleum Corporation	0.23266
Gulf Canada Resources Limited	50.74151
Jerry Chambers Exploration Co.	0.10718
Patricia R. McLean	0.03230
NCE Oil & Gas (87-1) Ltd.	0.11952
Oakfern Petroleums Ltd.	1.15370
PanCanadian Petroleum Limited	23.46410
Passport Petroleums Ltd.	1.15370
Simmons Management Limited	4.93067
	<u>100.00000</u>

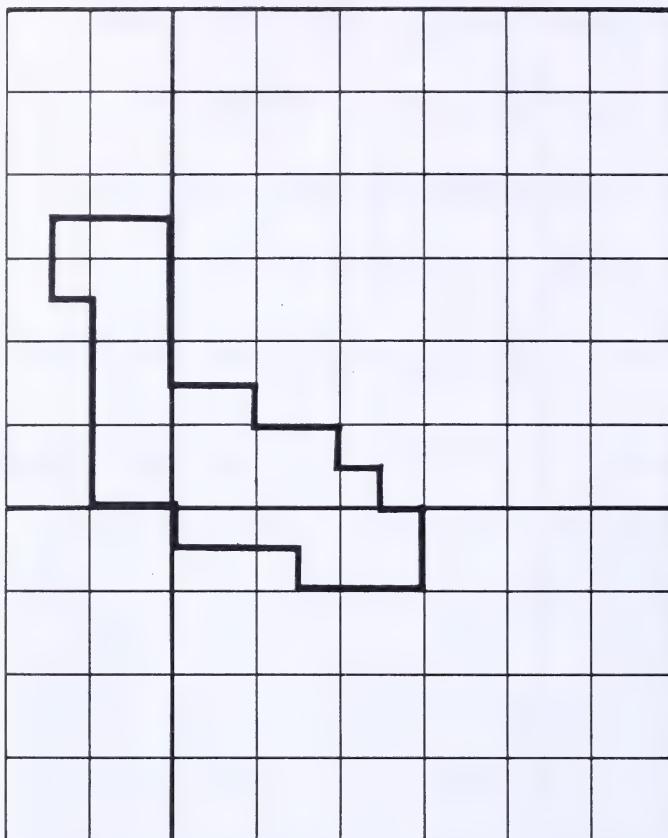
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

R.23

R.22 W.4 M.



BASHAW D-3A UNIT NO.1

INITIAL EFFECTIVE DATE - DECEMBER 1, 1977

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

BELLOY GAS UNIT NO. 1

Located in the Shane and Belloy Fields

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 January 1981

Participation Revised - 1 August 1989

*Unitized Zone - Stoddart Formation

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	41.51680
BP Resources Canada Limited	26.74360
CNG Producing Company Limited	5.71285
Ethyl Petroleum Corporation	8.89140
New York Hide Trading Company	6.34760
North Canadian Oils Limited	5.71285
Northland Bank in Liquidation	4.75570
Precambrian Shield Resources	0.31920
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	100.00000

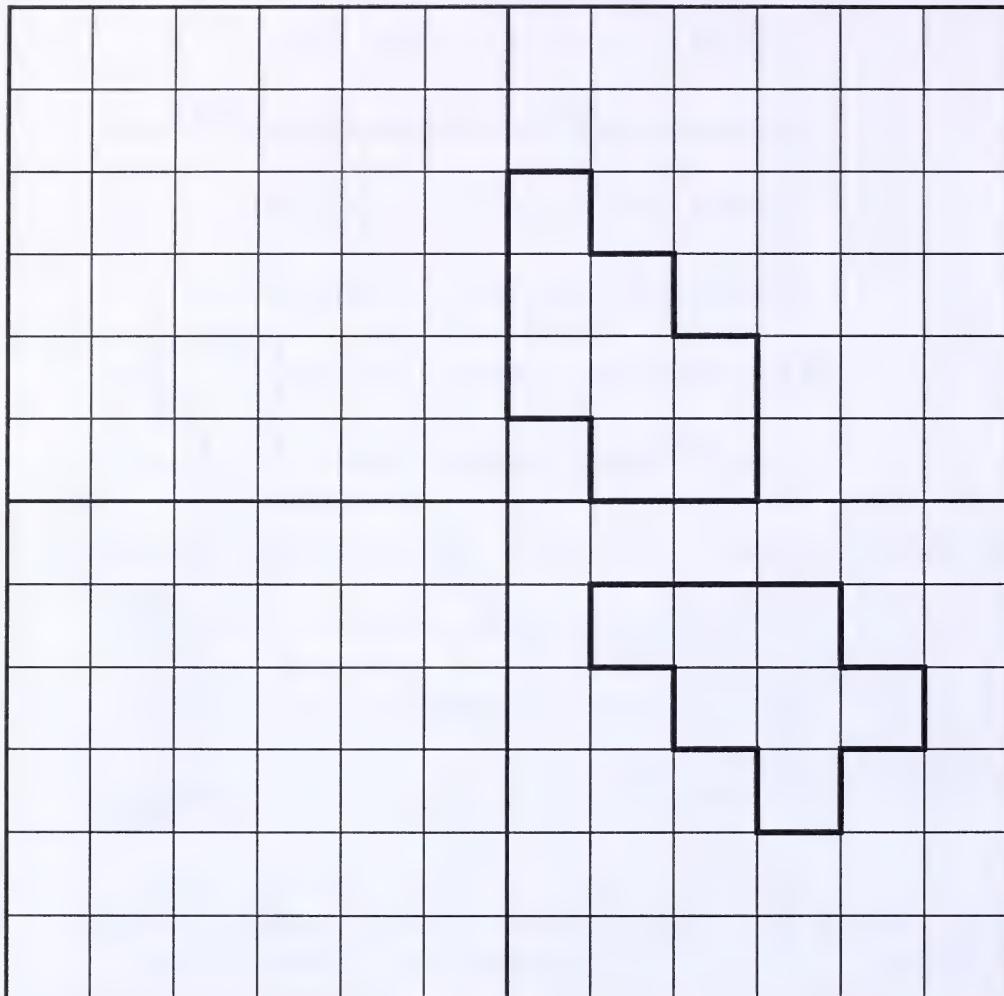
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

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BELLOY GAS UNIT NO. 1

ERCB

INITIAL EFFECTIVE DATE- 1 JANUARY 1981

UNIT OPERATOR- BP RESOURCES CANADA LIMITED

BELLSHILL LAKE ELLERSLIE UNIT

Located in the Bellshill Lake Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 November 1970

Participation Revised - 1 July 1989

*Unitized Zone - Ellerslie Member of Blairmore Group

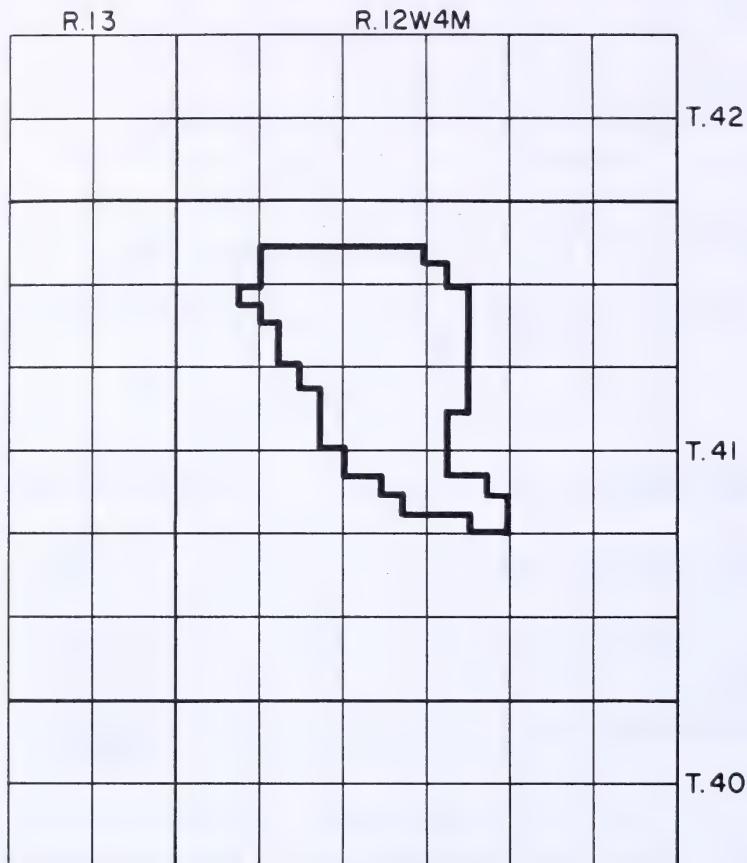
*Unitized Substance - Petroleum, Natural Gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	4.14186
Champlin Canada Ltd.	3.70194
Husky Oil Operations Ltd.	5.44338
Keles Production Company	0.04589
Petro-Canada Inc.	75.91274
Shell Canada Limited	3.32616
Texaco Canada Enterprises Ltd.	7.42803
	<u>100.00000</u>

* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



BELLSHILL LAKE ELLERSLIE UNIT

INITIAL EFFECTIVE DATE - NOVEMBER 1, 1970

UNIT OPERATOR - PETRO - CANADA INC.

BIGORAY NISKU "C" POOL UNIT NO. 1

Located in the Bigoray Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 February 1987

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

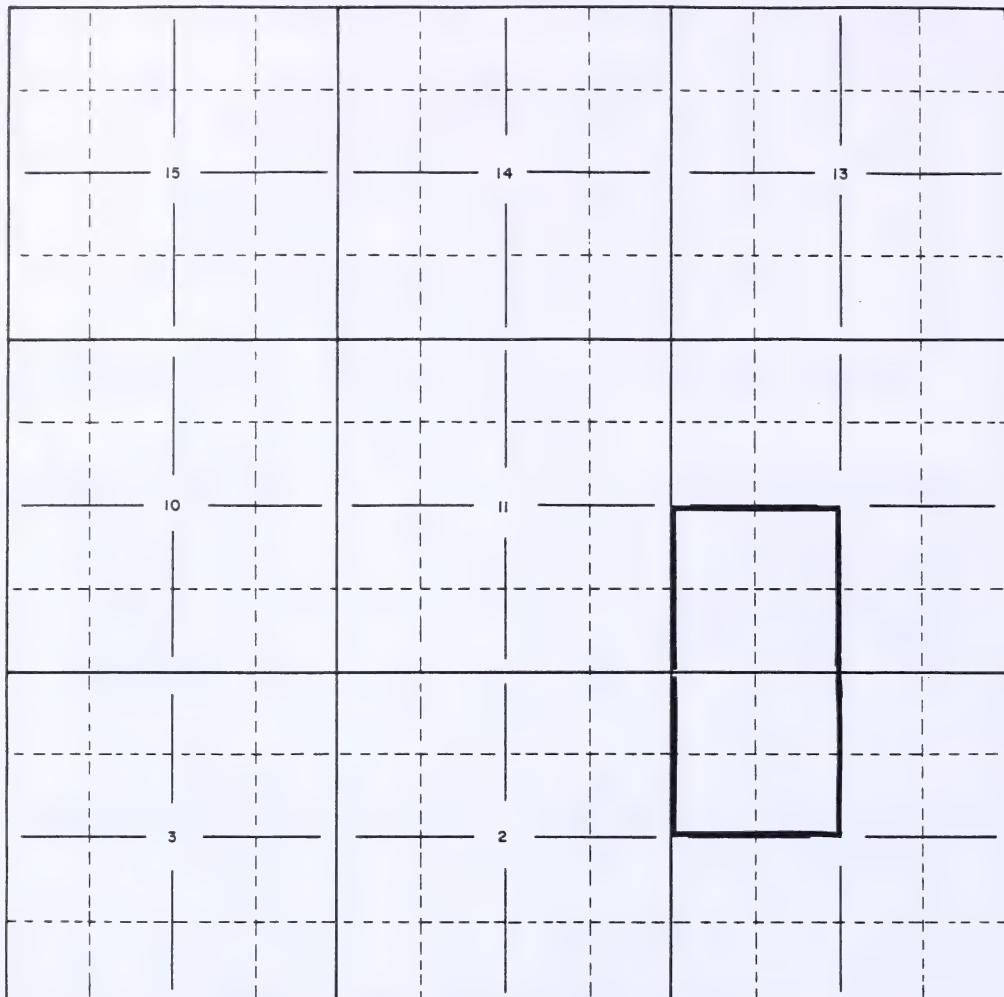
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.4609
Encor Energy Corporation Inc.	0.3516
Esso Resources Canada	77.5000
Felmont Oil Corporation	2.8125
Norcen Energy Resources Limited	<u>16.8750</u>
	100.0000

*For a complete definition of unitized zones and substances see Unit Documents

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ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9 W.5M.



BIGORAY NISKU 'C' POOL UNIT No.1

UNIT OPERATOR- ESSO RESOURCES CANADA

INITIAL EFFECTIVE DATE - 1 FEBRUARY 1987

ERCB

BLOOD BOW ISLAND A GAS UNIT NO. 1

Located in the Blood Field

Unit Operator - Pacific Cassiar Limited

Initial Effective Date - 1 June 1988

Participation Revised - 1 February 1989

*Unitized Zone - Bow Island Formation

*Unitized Substance - Petroleum, natural gas and related hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Juniper Holdings Limited	8.16
Pacific Cassiar Limited	71.95
Rampage Holdings Limited	8.55
Venture Resources Limited	7.63
291105 Alberta Limited	3.71
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	100.00

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

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T. 6

BLOOD BOW ISLAND A GAS UNIT NO. 1

ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1988

UNIT OPERATOR - PACIFIC CASSIAR LIMITED

BLUE RAPIDS CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 September 1968

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Crude oil, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Unit Participation</u>	
	<u>Interim</u>	<u>Final</u>
Amoco Canada Petroleum Company Ltd.	23.1931	24.0021
Amoco Canada Resources Ltd.	23.1932	24.0021
Benedum-Trees Oil Company	3.4053	3.6448
Encor Energy Corporation Inc.	10.2158	10.9343
Esso Resources Canada	38.6608	33.7582
Norcen Energy Resources Limited	1.1986	3.2926
Sunlite Oil Company Limited	0.1332	0.3659
	<u>100.0000</u>	<u>100.0000</u>

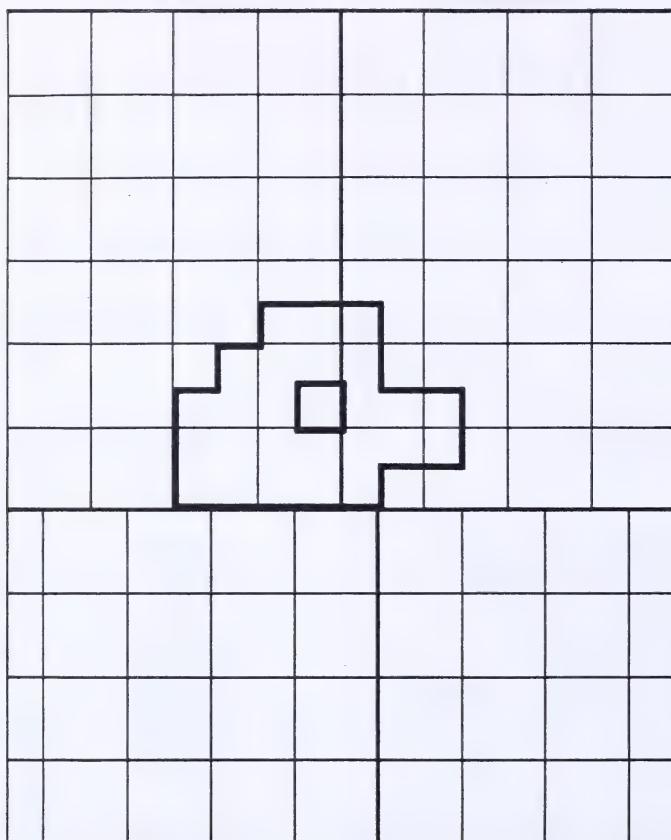
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

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R.8W.5M.



BLUE RAPIDS CARDIUM UNIT NO. I

INITIAL EFFECTIVE DATE - SEPTEMBER 1, 1968

UNIT OPERATOR — ESSO RESOURCES CANADA

BONNIE GLEN CARDIUM UNIT NO. 1

Located in the Bonnie Glen Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 August 1973

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

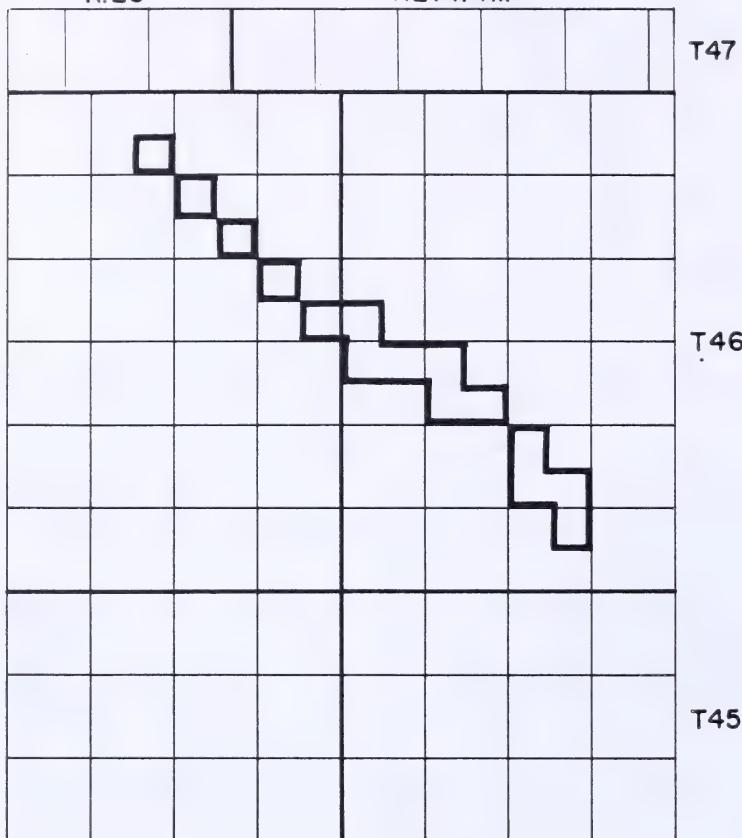
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	5.4553
Chevron Canada Resources	1.0372
Esso Resources Canada	87.0150
Norcen Energy Resources Limited	5.4553
Plainsman Exploration Ltd.	1.0372
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

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R27W4M



BONNIE GLEN CARDIUM UNIT NO. I

INITIAL EFFECTIVE DATE - AUGUST 1, 1973

UNIT OPERATOR — ESSO RESOURCES CANADA

BONNIE GLEN D-3A GAS CAP UNIT

Located in the Bonnie Glen Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 September 1973

Participation Revised - 1 August 1989

*Unitized Zone - Gas Cap in the Leduc Formation

*Unitized Substance - Gas cap gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	1.5363
Amoco Canada Resources Ltd.	0.7709
Chevron Canada Resources Limited	12.6286
Esso Resources Canada	81.5757
Esso Resources Canada Limited	0.6308
Kerr-McGee Corporation	0.0010
Suncor Inc.	0.9868
Total Petroleum Canada Ltd.	<u>1.8699</u>
	<u>100.0000</u>

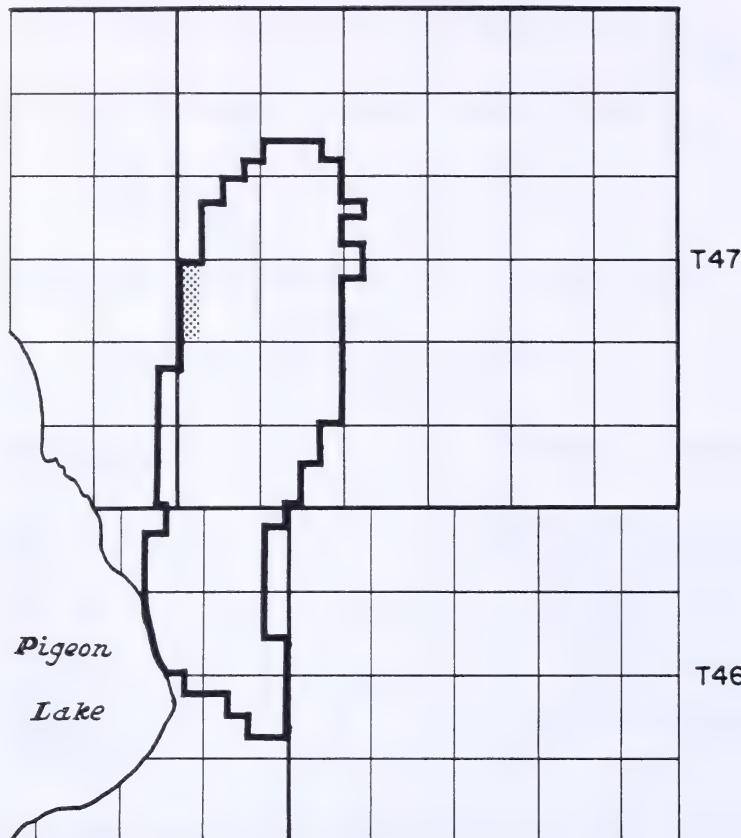
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.28

R27W4M



BONNIE GLEN D-3A GAS CAP UNIT

INITIAL EFFECTIVE DATE - SEPTEMBER 1, 1973

UNIT OPERATOR — ESSO RESOURCES CANADA

BOUNDARY LAKE SOUTH TRIASSIC "E" POOL UNIT

Located in the Boundary Lake South Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 April 1972

Participation Revised - 1 September 1989

*Unitized Zone - Triassic Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Limited	40.398912
Amoco Canada Resources Ltd.	3.887045
Black Cat Oil & Gas Ltd.	0.310002
Canadian Roxy Petroleum Ltd.	0.848673
Denison Mines Limited	8.106655
Esso Resources Canada Limited	41.247585
Northern Development Company Limited (N.P.L.)	1.308893
Pembina Resources Limited	1.377782
Sceptre Resources Limited	1.033337
Sterling Capital Group Ltd.	0.034444
Swade Resources Ltd.	0.068889
Wintershall Oil of Canada Limited	1.377783
	<u>100.000000</u>

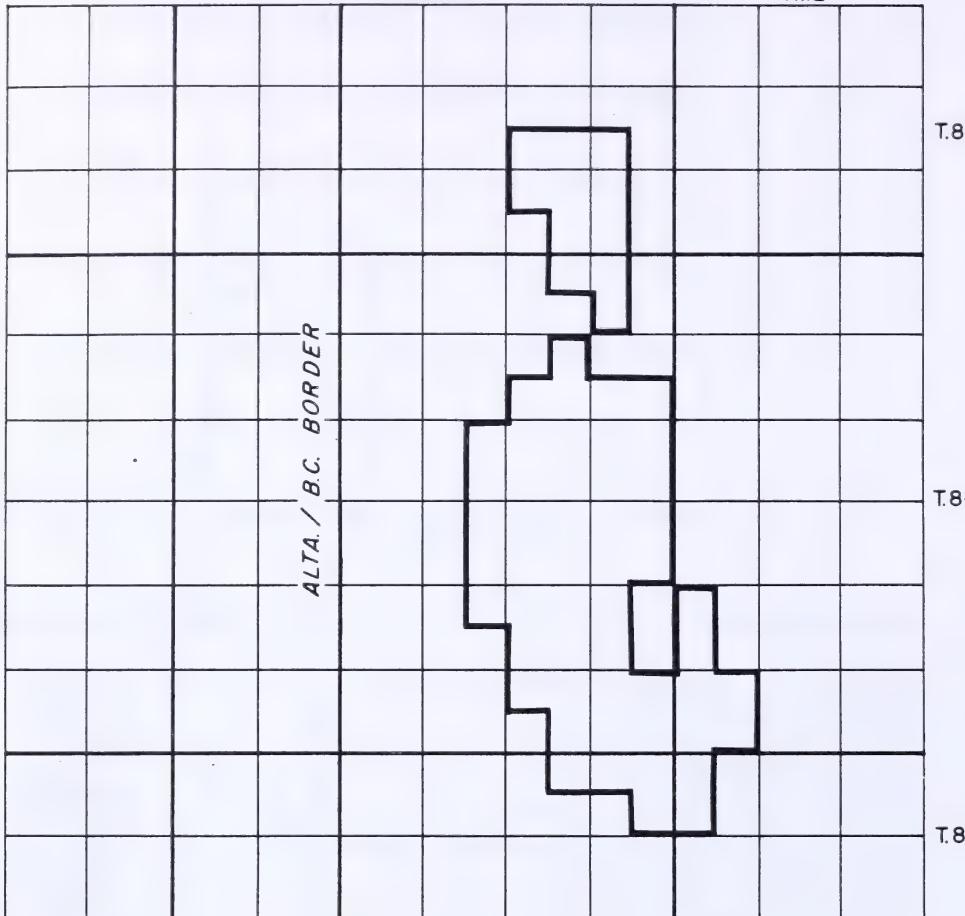
*For a complete definition of the unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.13W.6M.

R.12



BOUNDARY LAKE SOUTH TRIASSIC 'E' POOL UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 APRIL 1972

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

BOUNDARY LAKE SOUTH TRIASSIC H UNIT

Located in the Boundary Lake South Field

Unit Operator - Ultramar Oil and Gas Canada Limited

Initial Effective Date - 1 January 1981

Participation Revised - 1 September 1989

*Unitized Zone - Boundary Lake Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Inverness Resources Ltd.	12.31159
Page Petroleum Ltd.	32.61238
Pencor Petroleum Limited	6.15580
Star Oil and Gas Ltd.	16.07020
Ultramar Oil and Gas Canada Limited	32.85003
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.12

31	32	33	34	35	36
30	29	28	27	26	25
19	20	21		23	24
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7	8	9	10		12
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T.84

BOUNDARY LAKE SOUTH TRIASSIC H UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1981

UNIT OPERATOR - ULTRAMAR OIL AND GAS CANADA LIMITED

BRAZEAU RIVER GAS UNIT NO. 1

Located in the Brazeau River Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1973

Participation Revised - 1 September 1989

*Unitized Zone - Turner Valley and Shunda Formations

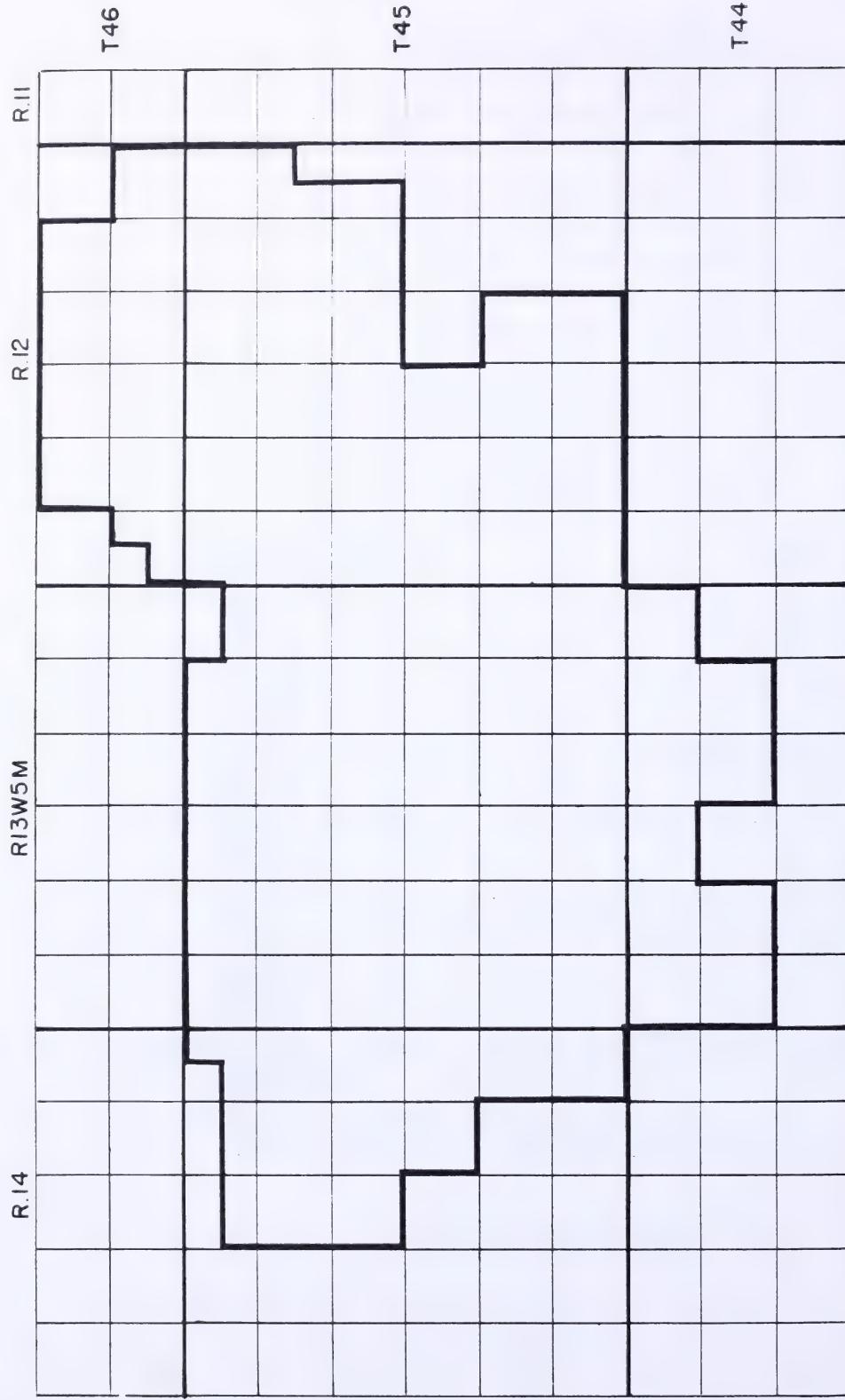
*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.98616
Can-Tex Producing Company Ltd.	0.92000
Cangild Resources Ltd.	0.09200
Canterra Energy Ltd.	1.54081
Corexcana Ltd.	0.72618
Discovery West Corp.	0.92000
Esso Resources Canada Limited	21.52755
Gulf Canada Resources Limited	20.26606
Harvard International Resources Ltd.	1.54082
Home Oil Company Limited	2.05442
Mobil Oil Canada	21.52754
New York Oils Limited	0.55200
Pembina Resources Limited	2.91702
Placer CEGO Petroleum, A Division of Placer Dome Inc.	0.92000
Restech Canada Holdings Limited	0.27600
Shell Canada Limited	15.27501
Southland Royalty Company	0.92000
Southmark Acquisitions Canada Ltd.	0.27600
Spruce Hills Production Company, Inc.	0.68080
Total Petroleum (Canada) Ltd.	3.08163
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



BRAZEAU RIVER GAS UNIT NO. 1
INITIAL EFFECTIVE DATE - 1 NOVEMBER 1973
UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

ERCB

BRAZEAU RIVER NISKU "F" POOL UNIT

Located in the Brazeau River Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 September 1985

Participation Revised - 1 July 1989

*Unitized Zone - Nisku "F"

*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	20.00
Amoco Canada Resources Ltd.	40.00
Petro-Canada Inc.	20.00
Texaco Canada Resources	20.00
	<u>100.00</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.13 W.5 M.

-----31-----	-----32-----	-----33-----	-----34-----	-----35-----	-----36-----
-----30-----	-----29-----	-----28-----	-----27-----	-----26-----	-----25-----
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-----6-----	-----5-----	-----4-----	-----3-----	-----2-----	-----1-----

T.48

BRAZEAU RIVER NISCU 'F' POOL UNIT



INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1985

UNIT OPERATOR- PETRO - CANADA INC.

BUCK CREEK CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 December 1966

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Crude oil, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim Participation</u>	<u>Final Participation</u>
Amoco Canada Resources Ltd.	10.2717	9.5624
BP Resources Canada Limited	23.8308	11.4749
Esso Resources Canada	37.9908	42.5553
ICG Resources Ltd.	27.9067	36.4074
	<u>100.0000</u>	<u>100.0000</u>

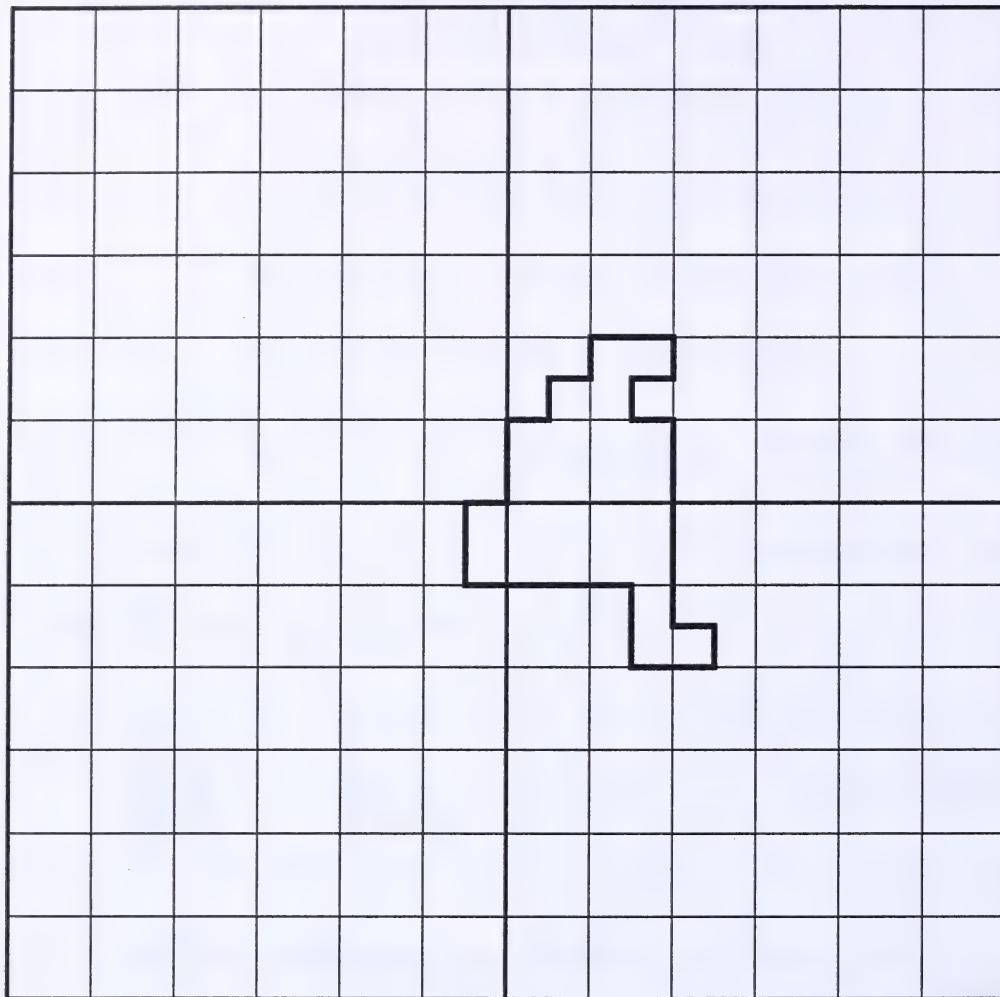
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.7

R.6 W.5M.



T.48

T.47

BUCK CREEK CARDIUM UNIT NO. 1

INITIAL EFFECTIVE DATE- 1 DECEMBER 1966

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

CALGARY BASAL QUARTZ UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective - 1 September 1966

Participation Revised - 1 February 1989

*Unitized Zone - Basal Quartz Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum Ltd.	38.84188
Enerplus Resources Corporation	4.44224
Esso Resources Canada Ltd.	2.93496
Mobil Oil Canada	37.73176
Norcen Energy Resources Limited	0.77277
Petro-Canada Inc.	13.38983
Scurry-Rainbow Oil Ltd.	0.96945
Trek Energy Inc.	0.53073
Wilshire Oil of Canada Ltd.	0.38638
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

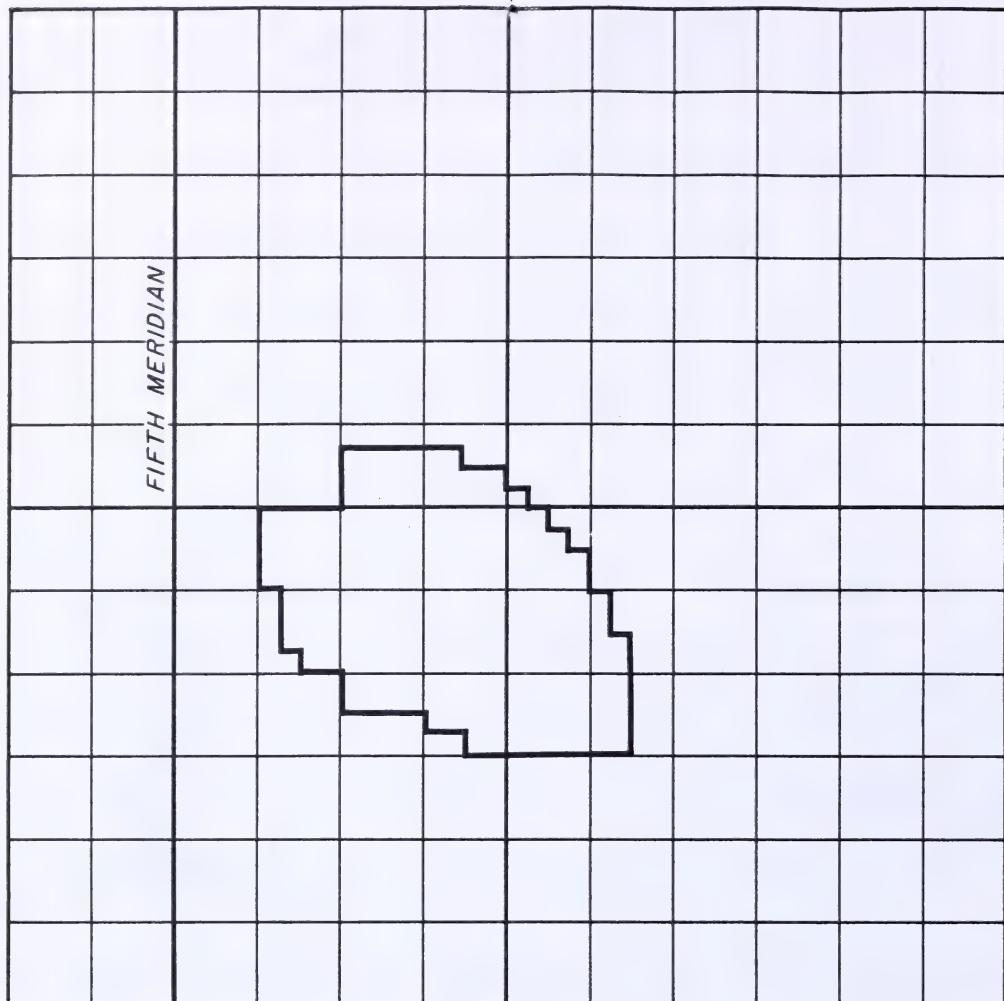
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 1 W. 5 M.

R. 29

R. 28 W. 4 M.



CALGARY BASAL QUARTZ UNIT NO. 1

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1966

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

CALGARY CROSSFIELD UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 December 1961

Participation Revised - 1 August 1989

*Unitized Zone - Crossfield Formation

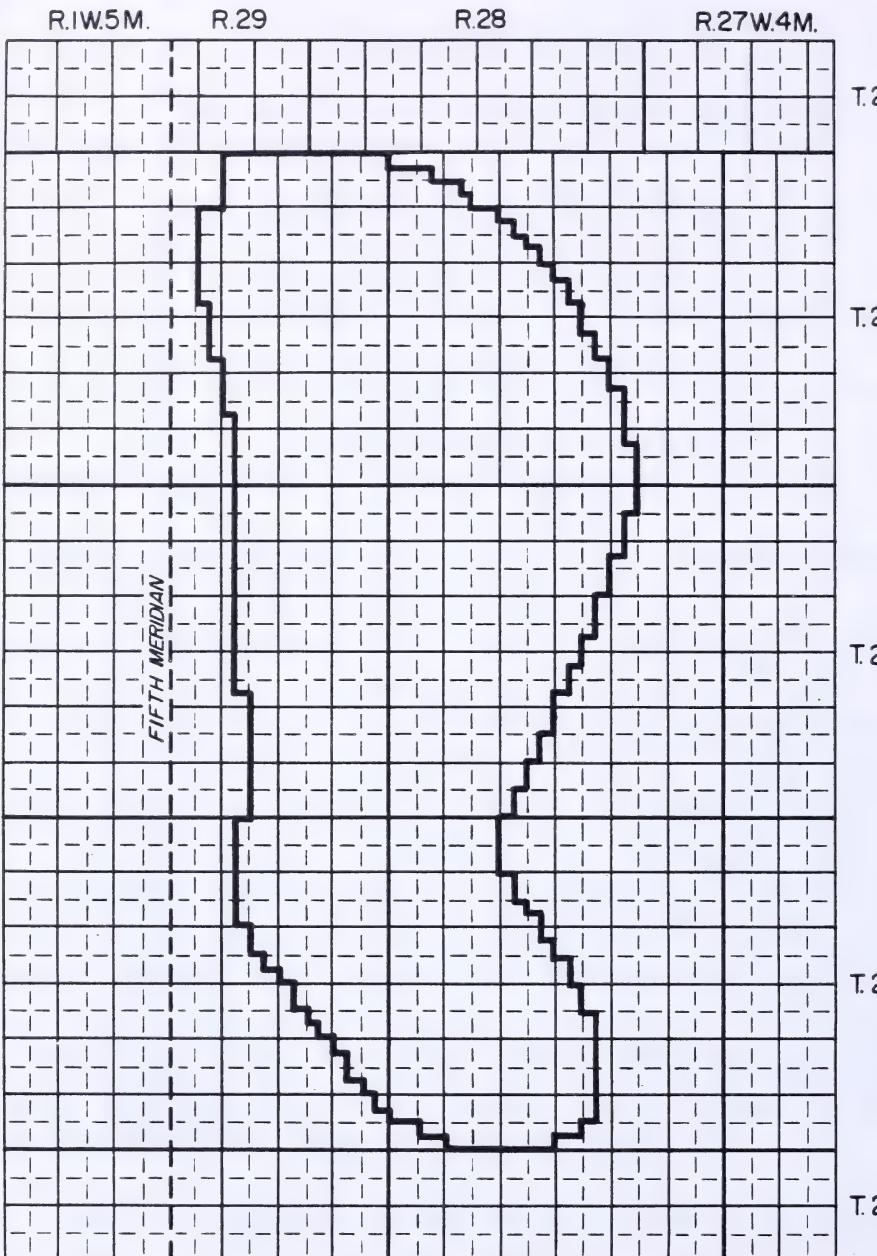
*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Barlow Bros. Ltd.	0.0025568
BP Resources Canada Ltd.	2.4220078
Camelot Minerals Ltd.	0.0982282
Canadian Occidental Petroleum Ltd.	37.7826283
Canadian Superior Oil Ltd.	2.1041409
Enerplus Resources Corporation	4.4523643
Esso Resources Canada	0.2194921
Esso Resources Canada Limited	1.6332109
Gulf Canada Limited	1.2767785
Home Oil Company Limited	0.5976090
Janval Oil Company	0.4648878
Lincoln-McKay Development Company Ltd.	0.0018857
Mobil Oil Canada	35.0241981
Norcen Energy Resources Limited	3.5851937
Norpet Oil & Gas Ltd.	0.1886417
Petro-Canada Inc.	6.4897218
Petroterra Natural Resources Ltd.	0.3836986
Scurry-Rainbow Oil Limited	2.1884833
Wilshire Oil of Canada, Ltd.	1.0842725
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



CALGARY CROSSFIELD UNIT NO.1 

INITIAL EFFECTIVE DATE - 1 DECEMBER 1961

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

CALGARY ELKTON UNIT NO. 1

Located in the Crossfield Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 December 1961

Participation Revised - 1 August 1989

*Unitized Zone - Elkton Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Barlow Development Ltd.	0.4662358
BP Resources Canada Limited	2.4270513
Calgary Western Investment Company Ltd.	0.0367252
Camelot Minerals Ltd.	0.2066155
Canadian Occidental Petroleum Ltd.	24.3667011
City of Calgary	0.0267744
Enerplus Resources Corporation	7.6793503
Esso Resources Canada Limited	0.7939546
Gulf Canada Resources Limited	2.5281610
Home Oil Company Ltd.	5.1020386
Husky Oil Operations Ltd.	0.0150208
Lincoln-McKay Development Company Ltd.	0.3438484
Mobil Oil Canada	25.0768656
Norcen Energy Resources Limited	5.3001602
Norpet Resources Limited	0.0416611
PanCanadian Petroleum Limited	0.0503373
Petro-Canada Inc.	19.4028448
Scurry-Rainbow Oil Limited	0.6816647
Shell Canada Limited	0.7097412
Texaco Canada Resources	0.9795245
Unocal Canada Resources	1.4522454
Wilshire Oil of Canada, Ltd.	2.0765663
333916 Alberta Ltd.	0.2359119
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

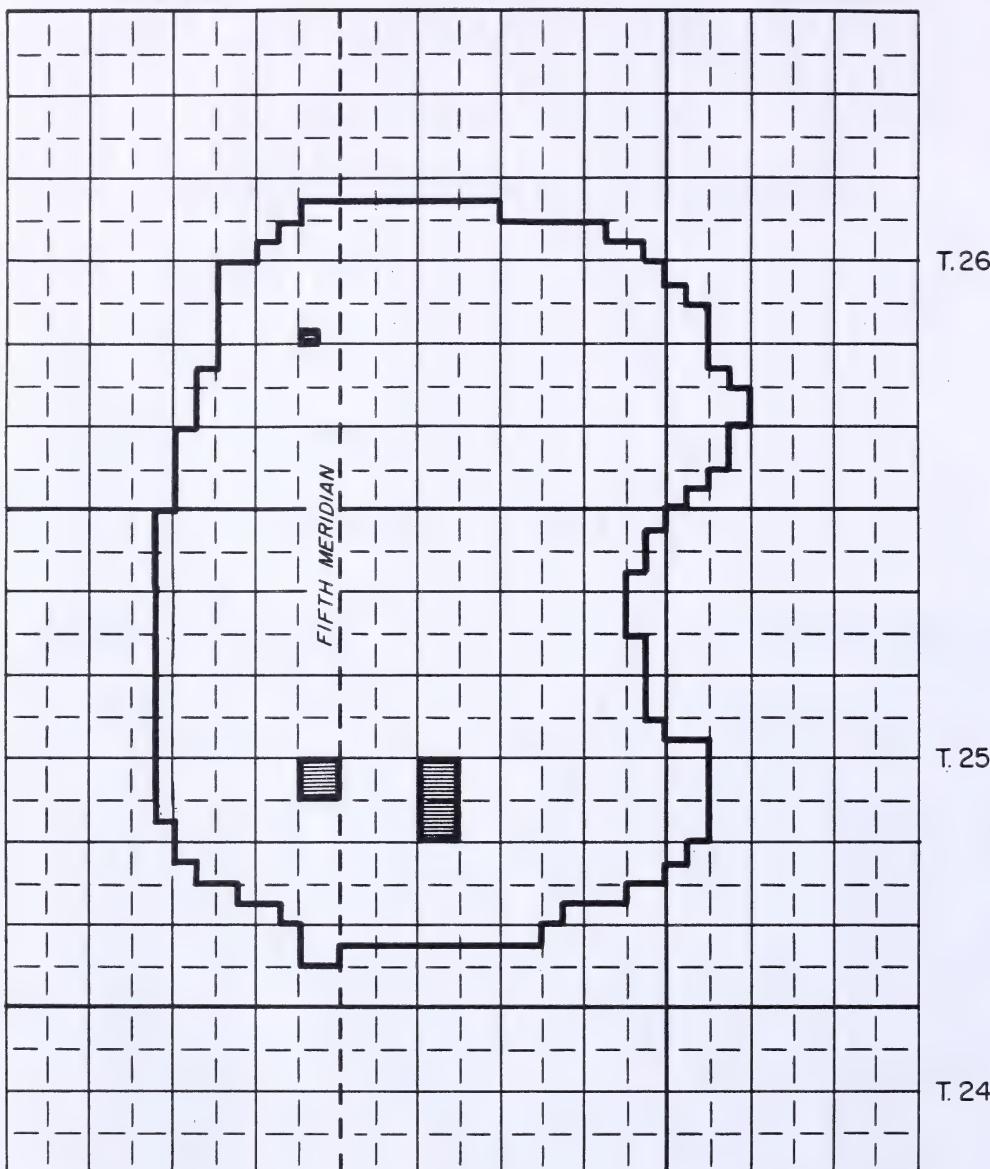
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.I.W.5M.

R.29

R.28W.4M.



CALGARY ELKTON UNIT NO. II

ERCB

INITIAL EFFECTIVE DATE - 1 DECEMBER 1961

UNIT OPERATOR- CANADIAN OCCIDENTAL PETROLEUM LTD

SEE UNIT AGREEMENT FOR DETAILS

CAROLINE CARDIUM "B" SAND UNIT NO. 1

Located in the Caroline Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 February 1983

Participation Revised - 1 July 1989

*Unitized Zone - Cardium "B" Sand Formation

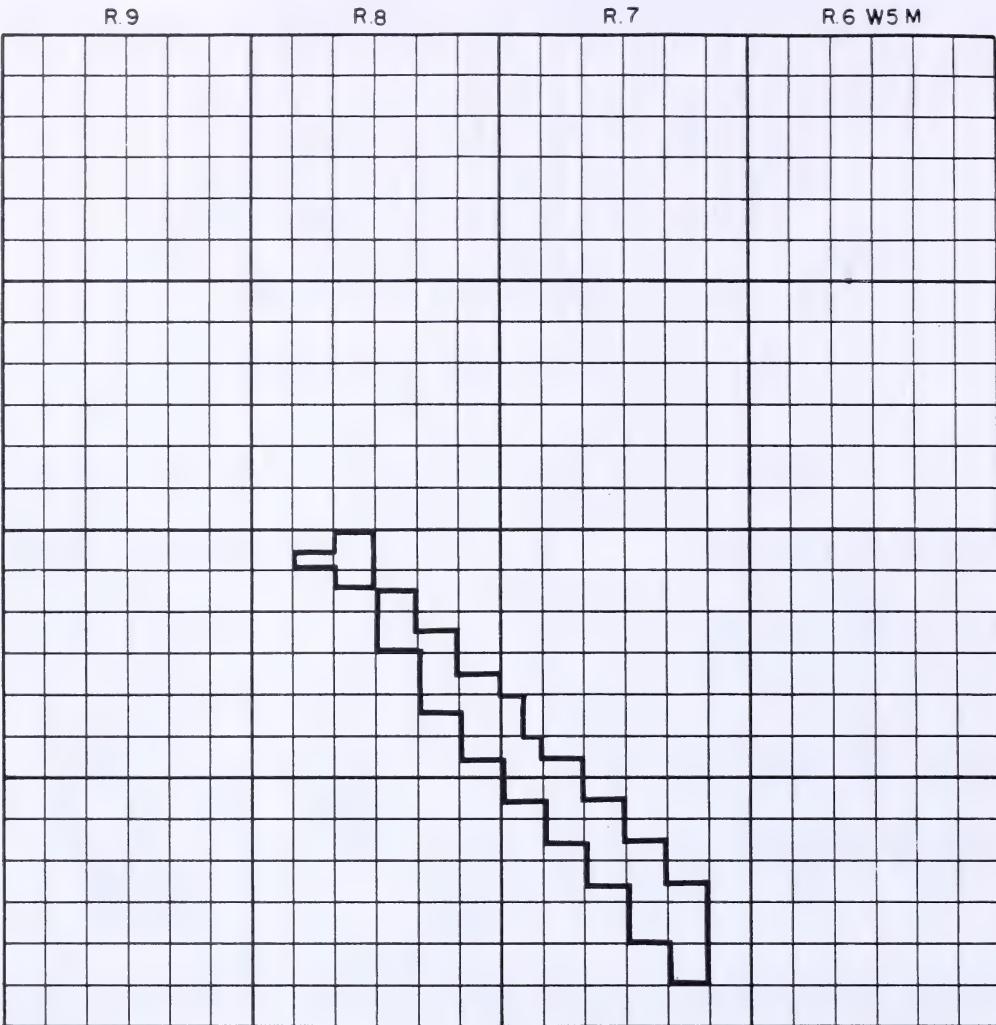
*Unitized Substances - Petroleum, natural gas, and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	1.107106
Amoco Canada Resources Ltd.	7.568232
Dynex Petroleum Ltd.	0.510674
Gulf Canada Resources Limited	0.241259
Ish Oil Ltd.	0.381976
Mark Resources Inc.	1.527907
Northridge Energy Corp.	0.381977
Petro-Canada Inc.	83.079488
John H. W. Rathwell	0.050000
RTEC One Resources Inc.	5.101381
Safeway Holdings Ltd.	0.050000
	<u>100.000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



CAROLINE CARDIUM B SAND UNIT NO.1

INITIAL EFFECTIVE DATE - 1 FEBRUARY 1983

UNIT OPERATOR - PETRO-CANADA INC.

ERCB

CARSTAIRS ELKTON UNIT

Located in Carstairs & Crossfield Fields

Unit Operator - Home Oil Company Limited

Initial Effective Date - 1 February 1960

Participation Revised - 1 May 1989

*Unitized Zone - Elkton Member, Turner Valley Formation

*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	1.28078
Can-Tex Producing Company Ltd.	3.23186
Gulf Canada Resources Limited	1.21669
Harvard International Resources Ltd.	7.87074
Home Oil Company Limited	42.82591
Mobil Oil Canada	28.48063
Murphy Oil Company Limited	3.23186
Shell Canada Limited	2.02810
Southland Royalty Company	3.23186
Texaco Canada Petroleum Inc.	6.60157
	<u>100.00000</u>

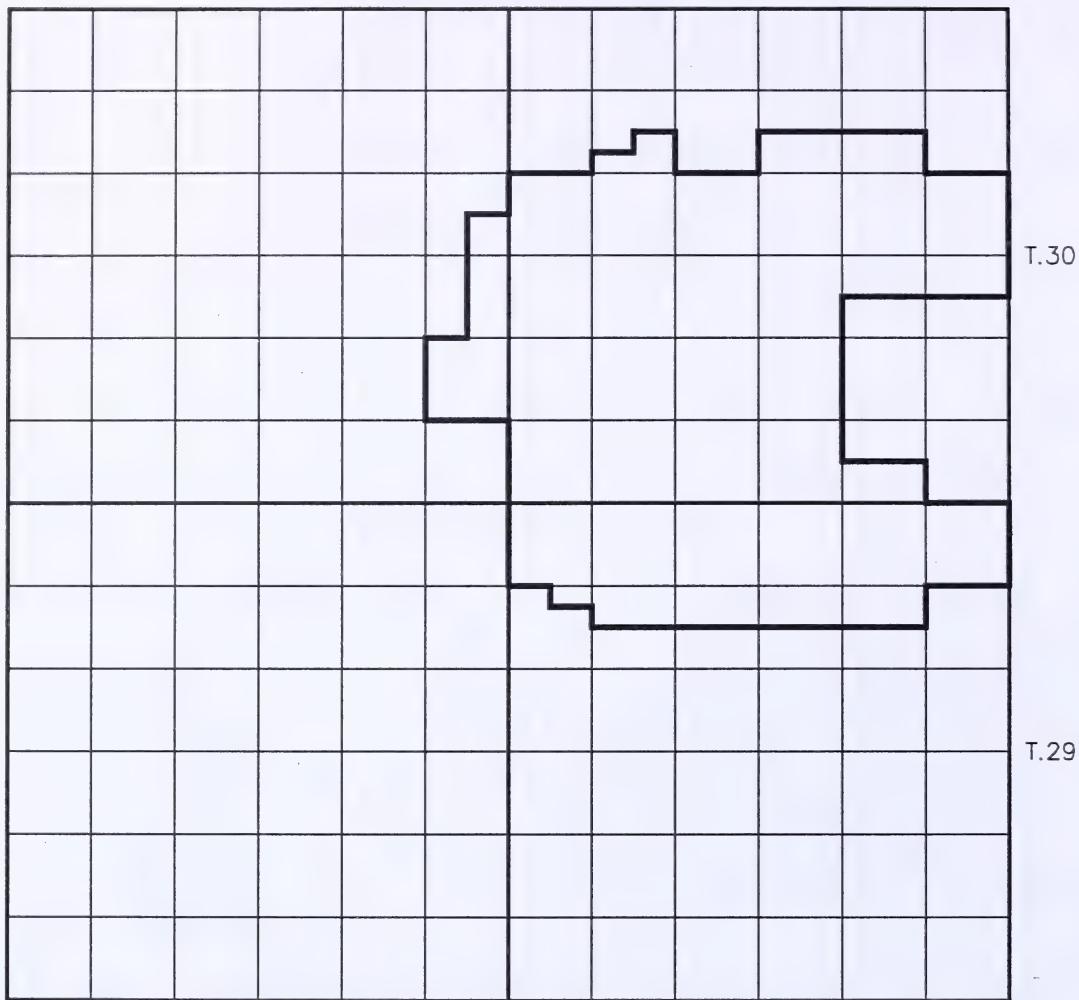
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.3

R.2 W.5M.



CARSTAIRS ELKTON UNIT

INITIAL EFFECTIVE DATE- 1 FEBRUARY 1960

UNIT OPERATOR-HOME OIL COMPANY LIMITED



CHINCHAGA WEST GAS UNIT

Located in the Located in Chinchaga Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 April 1989

Participation Revised - 1 May 1989

*Unitized Zone - Slave Point Formation

*Unitized Substance - gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	24.7438
Esso Resources Canada Limited	36.2531
Esso Resources Ventures Limited	8.6156
Westmin Resources Limited	<u>30.3875</u>
	100.0000

Payout of 6-20-97-6 W6M well effective 19 March 1988

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.6 W.6M.

31	32	33	34	35	36	
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CHINCHAGA WEST GAS UNIT



INITIAL EFFECTIVE DATE- 1 APRIL 1989

UNIT OPERATOR- AMOCO CANADA RESOURCES LTD.

CLIVE D-2 UNIT NO. 1

Located in the Clive Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 September 1970

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Gas cap gas, oil and solution gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil Interests</u>	<u>Gas Interests</u>
Acquifund Resources Limited	0.11099	1.31171
Adeco Drilling and Engineering Co. Ltd.	0.71445	0.52328
Amoco Canada Petroleum Company Ltd.	23.03974	21.57592
Amoco Canada Resources Ltd.	3.61371	1.86332
Bow Valley Industries Ltd.	0.05158	0.37564
Canadian Occidental Petroleum Ltd.	2.56575	4.92330
Esso Resources Canada	2.42837	0.19043
Esso Resources Canada Limited	4.75261	7.05060
Esso Resources Ventures Limited	0.00110	0.06410
Gulf Canada Resources Limited	21.44280	20.98325
J. M. Huber Corporation	1.41080	1.13520
Kerr-McGee Corporation	4.92960	0.47885
Lambda Resources Ltd.	0.00055	0.01406
Leddy Exploration Limited	0.01605	0.44521
C.A. Lott	0.00073	0.00044
Charles L. McMahon	0.00629	0.00380
R. W. McMahon	0.01229	0.07086
Mobil Oil Canada	23.39667	25.89157
Montclair Oil Ltd.	0.02187	0.01735
Northern Development Company Limited	0.11232	-
PanCanadian Petroleum Limited	0.26360	-
Pennzoil Petroleum Ltd.	1.09346	0.86778
Petro Canada Inc.	2.82887	1.93148
Petroleum International Inc.	0.01352	0.13503
Sabre Energy Ltd.	0.05664	1.49683
Sasko Oil & Gas Limited	0.05158	0.37564
Sceptre Resources Limited	0.01404	-

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil Interests</u>	<u>Gas Interests</u>
E. J. Schermerhorn	0.01476	0.00891
Southland Royalty Company**	1.88440	0.44850
Star Oil & Gas Ltd.	0.95300	0.24090
R.C. Stratford	0.15308	0.12150
Texaco Canada Inc., a subsidiary of Imperial Oil Limited	3.61440	3.43050
Texas Crude Oil Company	0.01404	-
Westair Resources Ltd.	0.03232	0.28449
Westmin Resources Limited	0.23815	0.17442
Zorayda Oil Co. Ltd.	0.04327	0.85348
<u>Tract 13</u>		
Esso Resources Ventures Limited	0.02565	0.67791
R. W. McMahon	0.02565	0.67791
Petroleum International Inc.	0.05130	1.35583
	<u>100.00000</u>	<u>100.00000</u>

**Agent is Meridian Oil Inc.

* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

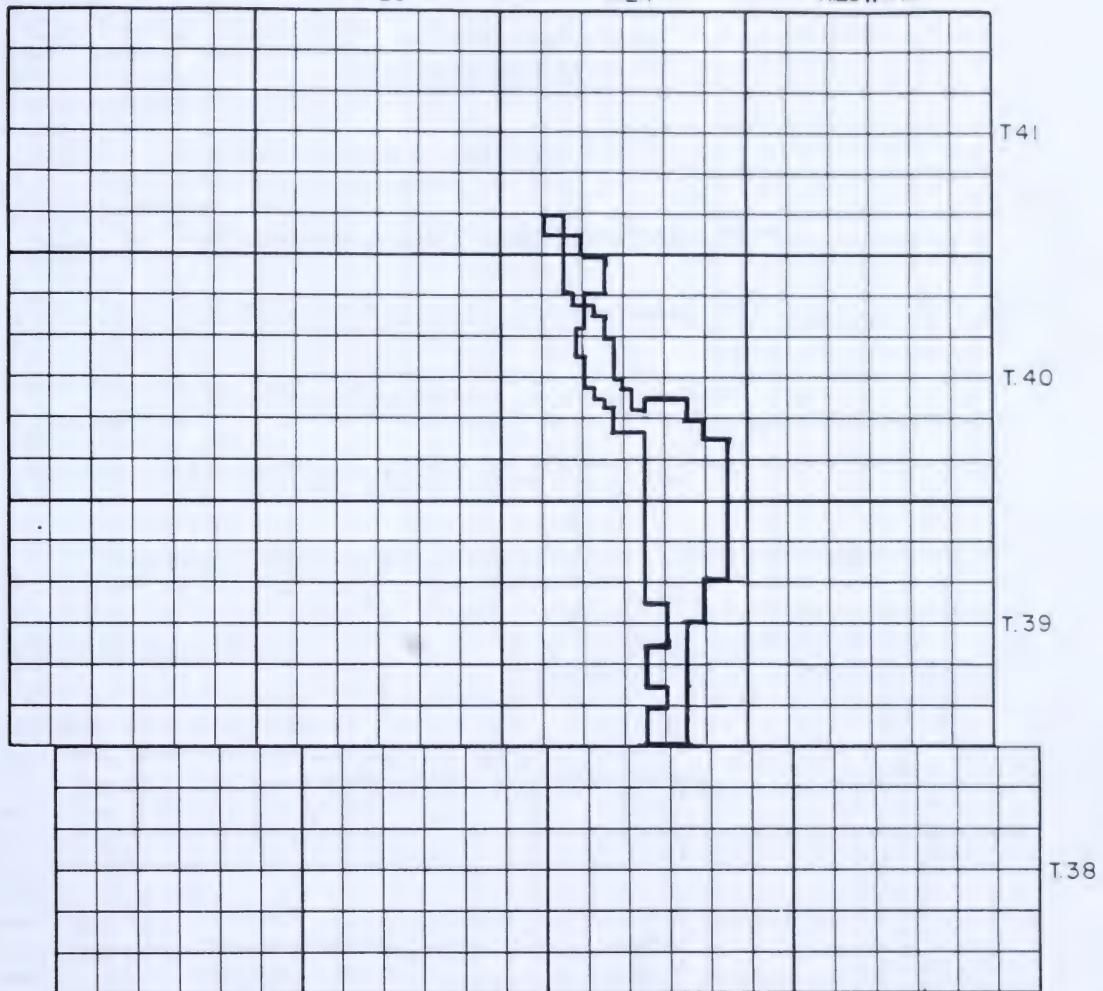
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.26

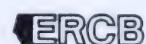
R.25

R.24

R23W4M



CLIVE D-2 UNIT NO. 1



INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1970

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED



CLIVE D-3A UNIT NO. 1

Located in the Clive Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 September 1970

Participation Revised - 1 August 1989

*Unitized Zone - Leduc Formation

*Unitized Substance - Gas cap gas, oil and solution gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil Interests</u>	<u>Gas Interests</u>
Acquifund Resources Limited	2.22236	2.08079
Adeco Drilling and Engineering Co. Ltd.	0.56813	-
Amoco Canada Petroleum Company Ltd.	13.02200	21.44857
Amoco Canada Resources Ltd.	3.12345	5.32490
Bow Valley Industries Ltd.	0.86775	0.41285
Canadian Occidental Petroleum Ltd.	4.17855	6.97925
Corvair Oils Ltd.	0.24061	0.11512
Esso Resources Canada	1.15130	0.79017
Esso Resources Canada Limited	3.36513	2.62345
Esso Resources Ventures Limited	0.06174	0.11265
Gulf Canada Resources Limited	18.30485	18.42655
J. M. Huber Corporation	4.44650	-
Kerr-McGee Corporation	10.31225	0.72910
Lambda Resources Ltd.	0.07841	0.01741
Leddy Exploration Limited	0.26632	0.77043
C.A. Lott	0.00958	0.00035
Charles L. McMahon	0.08217	0.00299
R. W. McMahon	0.20816	0.11798
Mobil Oil Canada	18.50710	20.07547
Montclair Oil Ltd.	0.01244	0.06642
Norcen Energy Resources Limited	0.26158	0.05625
Northern Development Company Limited	0.33344	0.21312
PanCanadian Petroleum Limited	1.54830	-
Pennzoil Petroleum Ltd.	0.62200	3.32137
Petro-Canada Inc.	1.68730	2.05331
Petroleum International Inc.	0.27144	0.23069

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil Interests</u>	<u>Gas Interests</u>
Raeson Investments Ltd.	0.08017	0.03837
Sabre Energy Ltd.	0.84371	2.58645
Sasko Oil & Gas Limited	0.69336	0.37535
Sceptre Resources Limited	0.04168	0.02664
E. J. Schermerhorn	0.19306	0.00702
Southland Royalty Company**	3.34480	0.71085
Star Oil & Gas Ltd.	1.63452	0.78261
R.C. Stratford	0.08708	0.46500
Texaco Canada Inc., a subsidiary of Imperial Oil Limited	3.18600	2.42640
Texas Crude Oil Company	0.04168	0.02664
Jack Wahl	0.14533	0.03125
Westair Resources Ltd.	1.50223	0.39731
Westmin Resources Limited	0.18937	-
Zorayda Oil Co. Ltd.	0.73570	1.47132
<u>Tract 113</u>		
Esso Resources Ventures Limited	0.38211	1.17140
R. W. McMahon	0.38211	1.17140
Petroleum International Inc.	0.76423	2.34280
	<u>100.00000</u>	<u>100.00000</u>

**Agent is Meridian Oil Ltd.

* For a complete definition of unitized zone and substance see Unit Documents

(For Area - See Reverse Side)

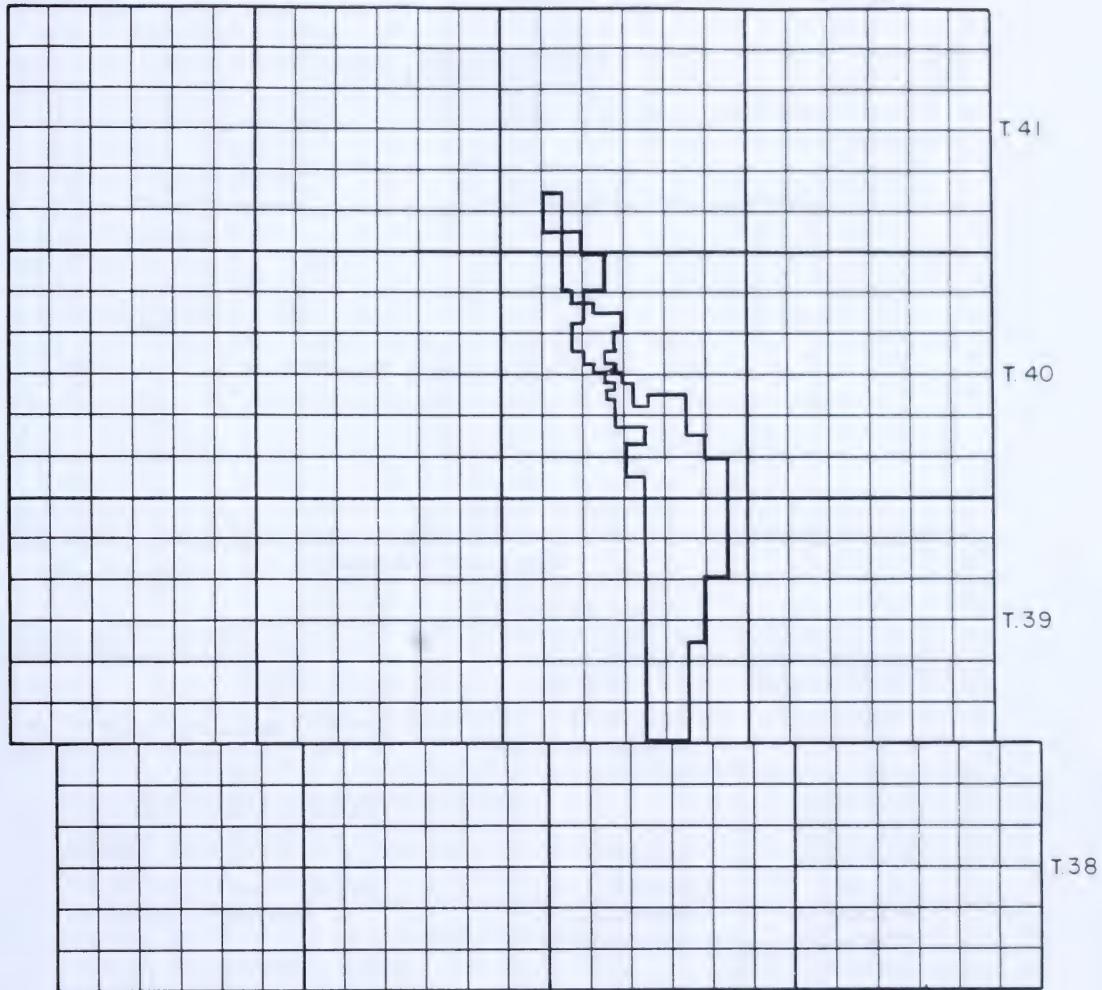
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.26

R.25

R.24

R23W4M



CLIVE D-3A UNIT NO.1



INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1970

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

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EAST CROSSFIELD UNIT

Located in the Crossfield East Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 March 1964

Participation Revised - 1 July 1989

*Unitized Zones - Elkton and Crossfield Formations

*Unitized Substance - Condensate, gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Elkton</u>	<u>D-1 (Crossfield)</u>
Amoco Canada Petroleum Company Ltd.	67.051692	39.01684
Amoco Canada Resources Ltd.	0.965841	4.82417
Bow Valley Industries Ltd.	0.655570	-
B.P. Resources Canada Limited	-	0.78628
Canadian Occidental Petroleum Ltd.	-	0.74596
Esso Resources Canada Limited	1.374657	2.72605
Gulf Canada Resources Limited	1.574096	3.01701
Home Oil Company Limited	0.107604	1.00558
Mobil Oil Canada	4.986094	31.68055
Norcen Energy Resources Limited	-	0.42275
PanCanadian Petroleum Limited	0.729184	3.75806
Pembina Pipe Line Ltd.	0.655570	-
Petro-Canada Inc.	3.042884	0.83084
Placer CEGO Petroleum Limited	-	0.53670
Scurry-Rainbow Oil Ltd.	1.466219	1.61187
Suncor Inc.	-	0.82398
Texaco Canada Resources Inc.	15.810910	7.72232
Unocal Canada Limited	0.147520	0.15215
Vanguard Petroleum Ltd.	1.419645	0.33184
Wray, Arthur H.	0.012514	0.00705
	<u>100.000000</u>	<u>100.00000</u>

* For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.3

R.2

R.1 W.5M.

R.29

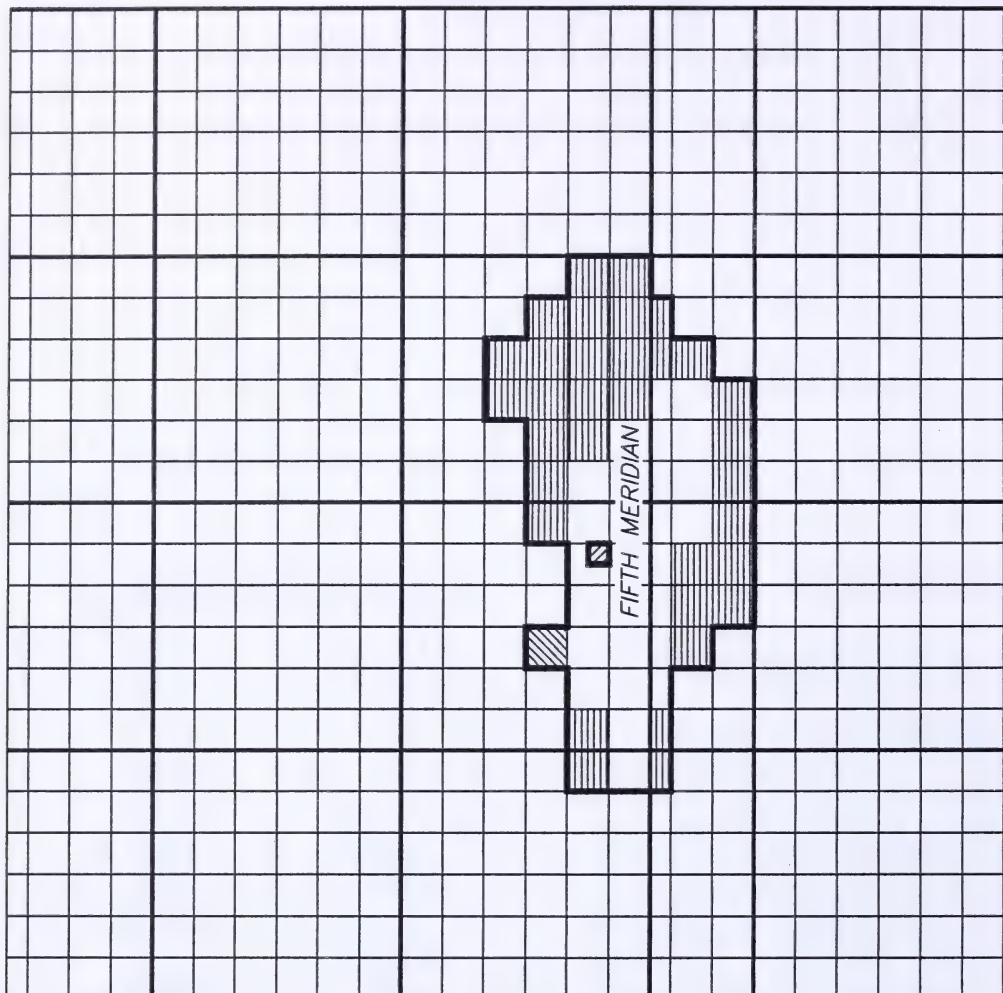
R.28 W.4M.

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EAST CROSSFIELD UNIT

ERCB

INITIAL EFFECTIVE DATE- 1 MARCH 1964

UNIT OPERATOR- AMOCO CANADA PETROLEUM COMPANY LTD

SEE UNIT AGREEMENT FOR DETAILS



UNITIZED ZONE: ELKTON FORMATION



CROSSFIELD FORMATION



ELKTON AND CROSSFIELD FORMATIONS



CYN-PEM CARDIUM "D" UNIT NO. 1

Located in the Cyn-Pem Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 November 1986

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Accipiter Resources Ltd.	0.01472
Amoco Canada Petroleum Company Ltd.	7.24062
Bonanza Oil & Gas Ltd.	1.47199
Carlyle Energy Ltd.	0.42434
Encor Energy Corporation Inc.	0.32147
Esso Resources Canada	77.42434
Heather Oil Ltd.	0.39792
Inverness Petroleum Ltd.	1.54207
Joli Fou Petroleum Ltd.	0.45709
Northern Development Company Ltd.	1.41310
O. M. Sachkiw Holdings Ltd.	0.04458
Olympus Resources Ltd..	0.36590
Paragon Petroleum Limited	2.20415
Pencor Petroleum Limited	0.77104
Precambrian Shield Resources Limited	2.32645
Redeagle Resources Ltd.	0.04416
Simmons Management Limited	0.10287
Westcoast Petroleum Ltd.	1.65530
Westmin Resources Limited	1.65530
Wilderness Energy Limited	0.12259
	<u>100.00000</u>

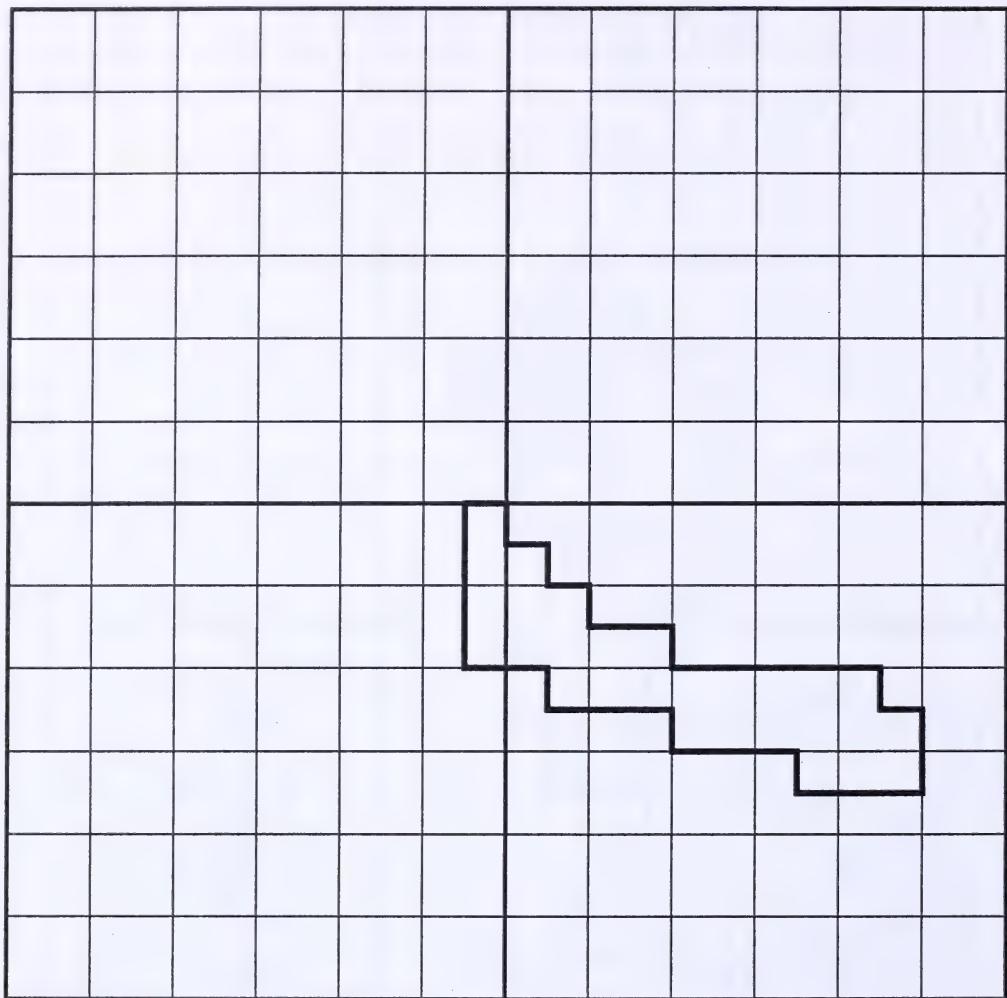
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11

R.10 W.5M.



CYN-PEM CARDIUM D UNIT NO.1

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1986

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

CYNTHIA CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 December 1964

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substances - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	12.8496
Esso Resources Canada	87.1504
	100.0000

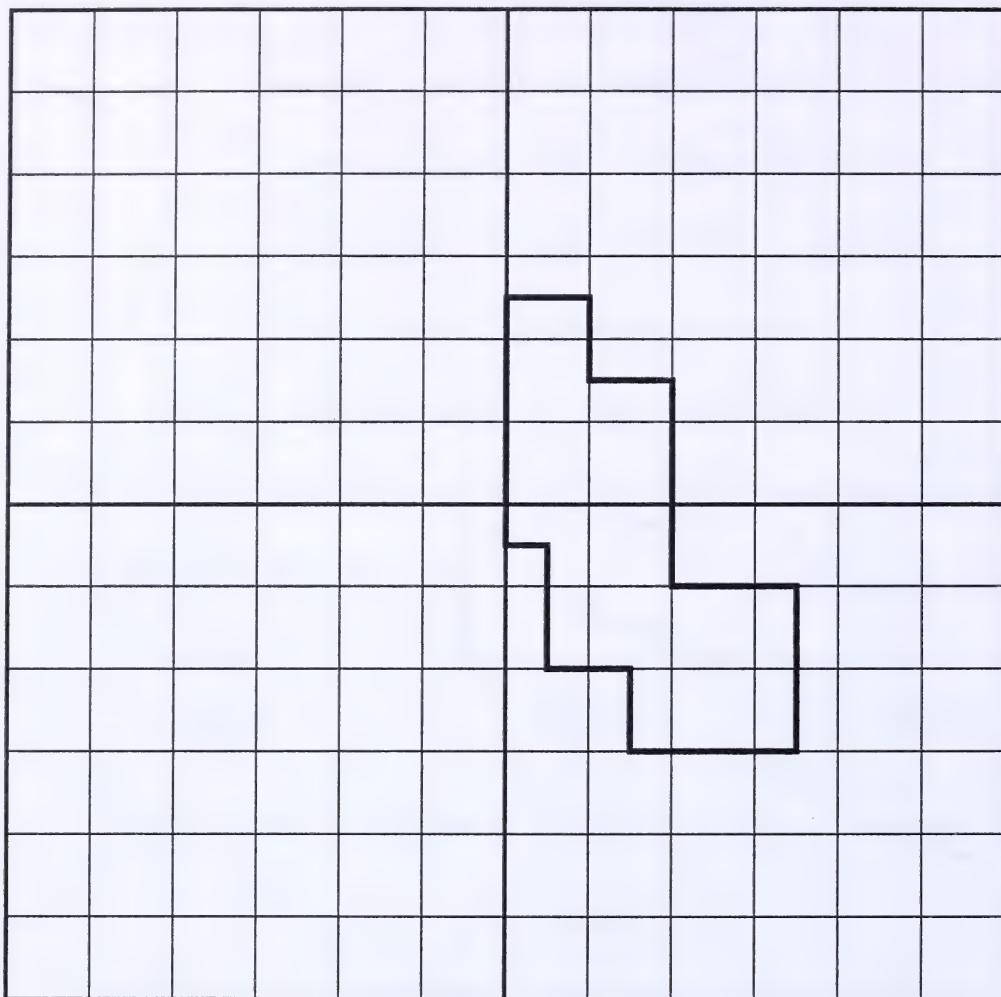
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.12

R.11 W.5M.



CYNTHIA CARDIUM UNIT NO.1

INITIAL EFFECTIVE DATE- 1 DECEMBER 1964

UNIT OPERATOR—ESSO RESOURCES CANADA

ERCB

CYNTHIA CARDIUM UNIT NO. 2

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 March 1966

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substances - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	100.00

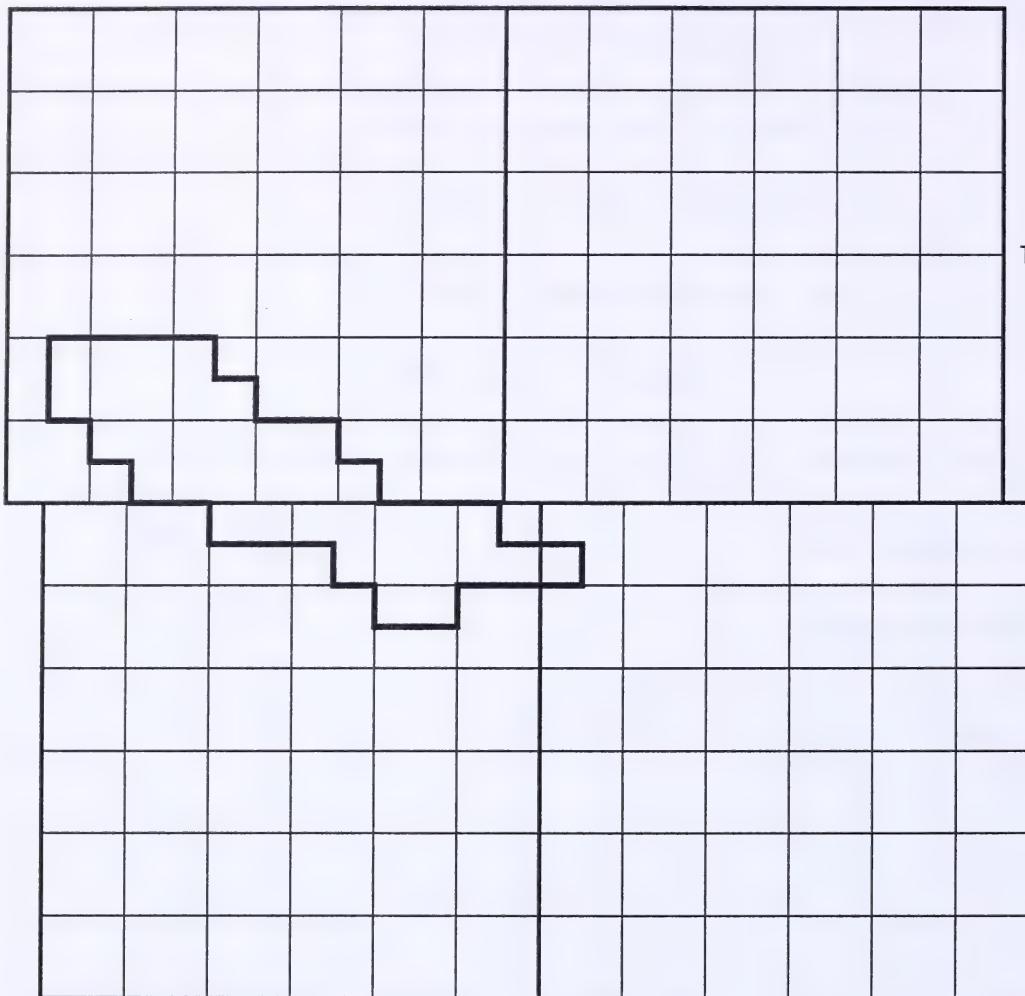
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.10

R.9 W.5M.



CYNTHIA CARDIUM UNIT NO.2

INITIAL EFFECTIVE DATE- 1 MARCH 1966

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

CYNTHIA CARDIUM UNIT NO. 3

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 February 1969

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	11.09390
Esso Resources Canada	<u>88.90610</u> 100.00000

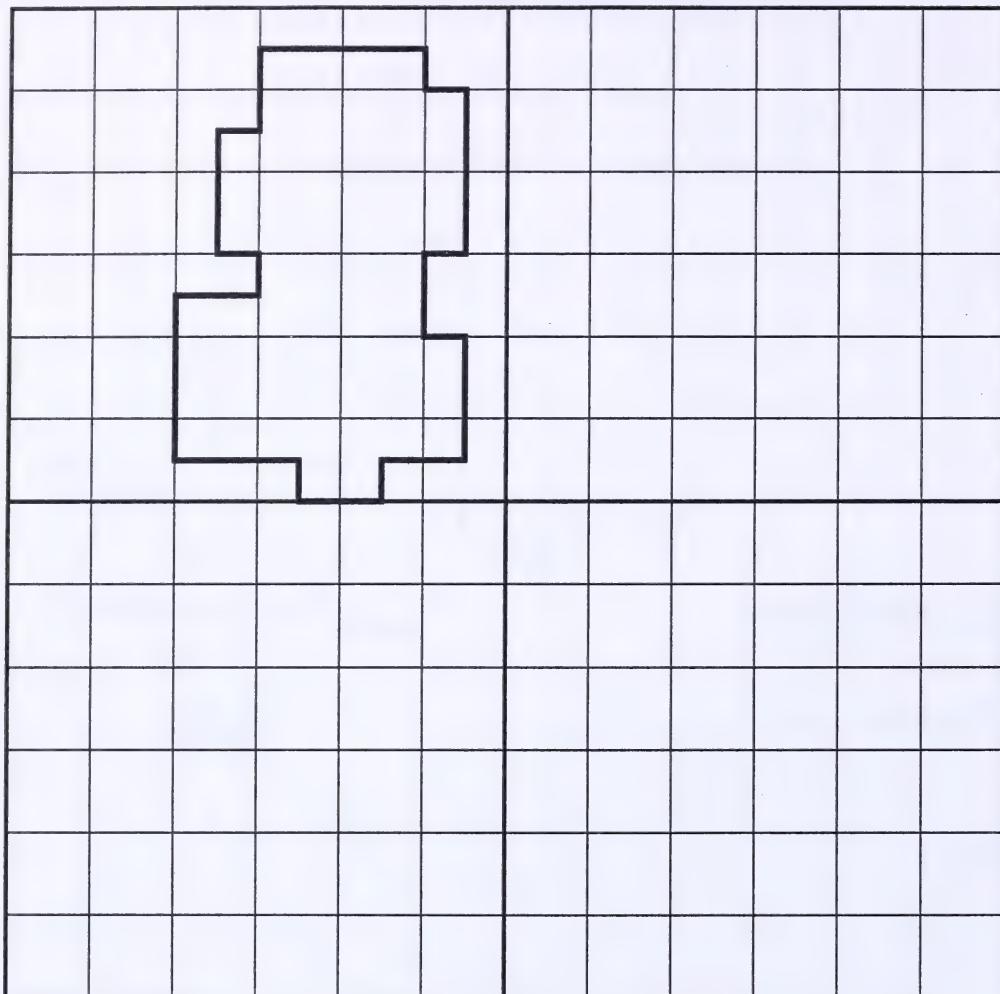
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.10

R.9 W.5M.



CYNTHIA CARDIUM UNIT NO.3

INITIAL EFFECTIVE DATE- 1 FEBRUARY 1969

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

CYNTHIA CARDIUM UNIT NO. 4

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 March 1973

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substances - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	9.98500
Bow Valley Industries Ltd.	0.31750
Esso Resources Canada	66.36300
Benjamin D. Gilbert	0.61595
Carolyn M. Harris	0.00635
Lakewood Oil & Gas Ltd.	0.63500
Willis R. Moulton	0.00635
Gail F. Moulton, Jr.	0.00635
Northern Development Company Limited	0.31750
Paloma Petroleum Ltd.	0.63400
Suncor Inc.	<u>21.11300</u>
	<u>100.00000</u>

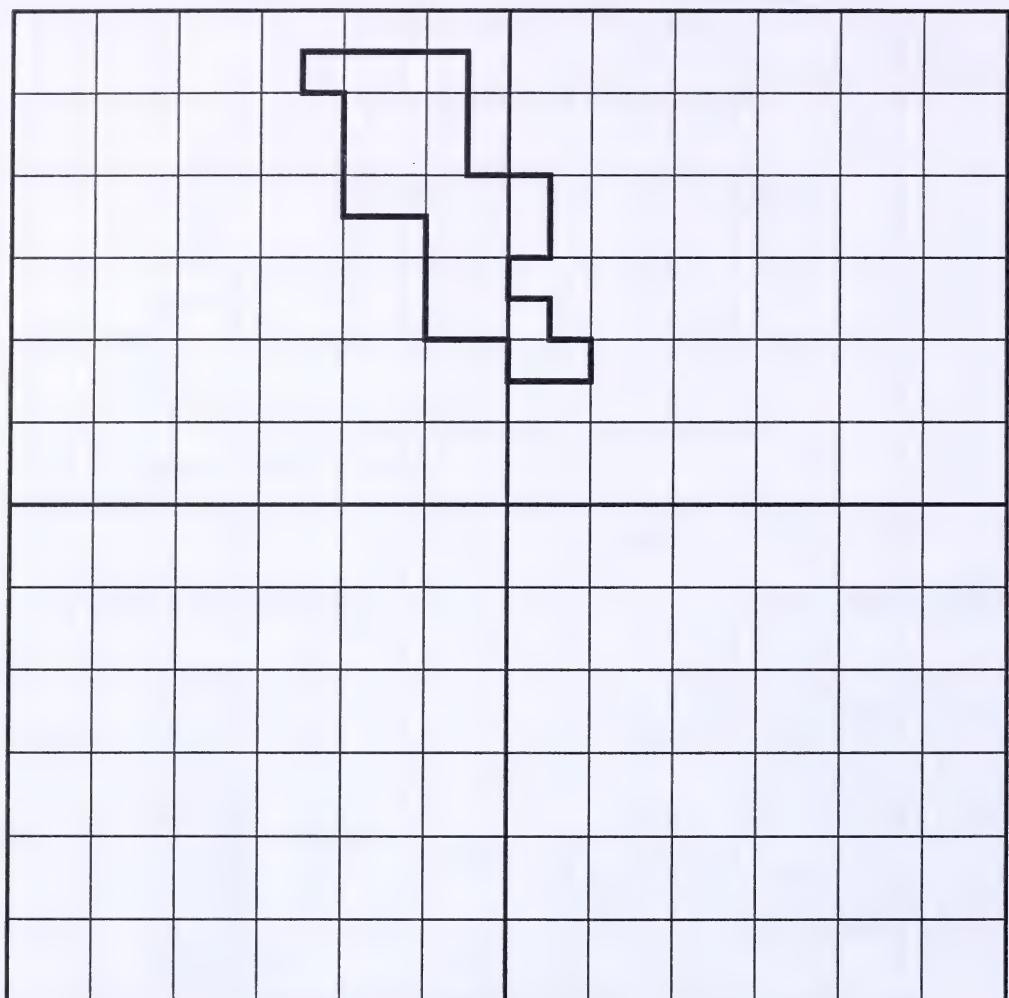
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11

R.10 W.5M.



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CYNTHIA CARDIUM UNIT NO.4
INITIAL EFFECTIVE DATE- 1 MARCH 1973
UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

CYNTHIA CARDIUM UNIT NO. 5

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 November 1975

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substances - Petroleum, natural gas and other hydrocarbons
(except coal)

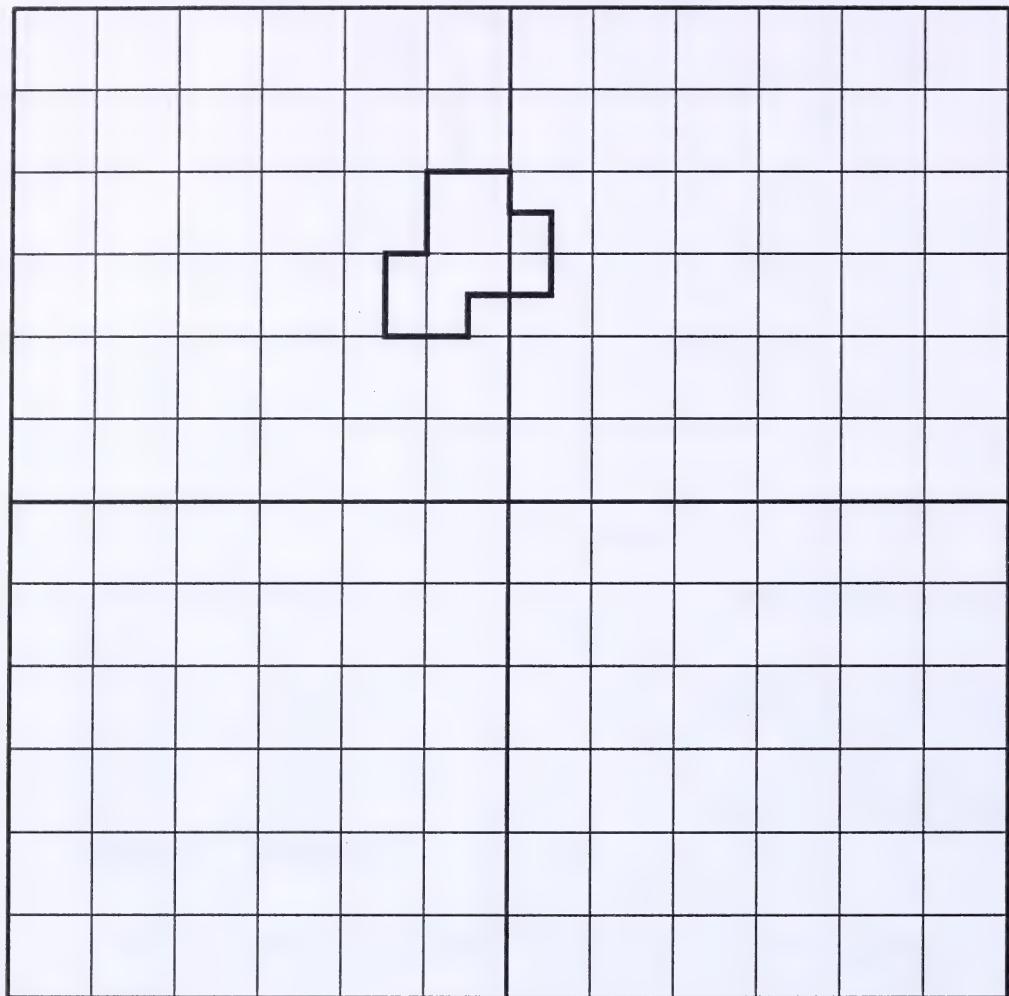
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Calgary Crude Oil Limited	24.01625	22.63516
Canterra Energy Ltd.	12.00812	11.31758
Duke Seabridge Limited	6.00406	5.65879
Esso Resources Canada	51.96751	54.72968
Summit Resources Limited	0.19208	0.18103
Woodbend Oil & Gas Ltd.	5.81198	5.47776
	<u>100.00000</u>	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

R.12

R.11 W.5M.



CYNTHIA CARDIUM UNIT NO.5

ERCB

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1975

UNIT OPERATOR-ESSO RESOURCES CANADA

DEER MOUNTAIN UNIT NO. 1

Located in the Swan Hills Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 February 1963

Participation Revised - 1 August 1989

*Unitized Zone - Swan Hills Member

*Unitized Substance - Crude oil, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alberta Oil and Gas Limited	1.14327
Amoco Canada Resources Ltd.	19.97258
Esso Resources Canada	65.45012
Pembina Resources Limited	12.29076
Petro-Canada Inc.	1.14327
	<u>100.00000</u>

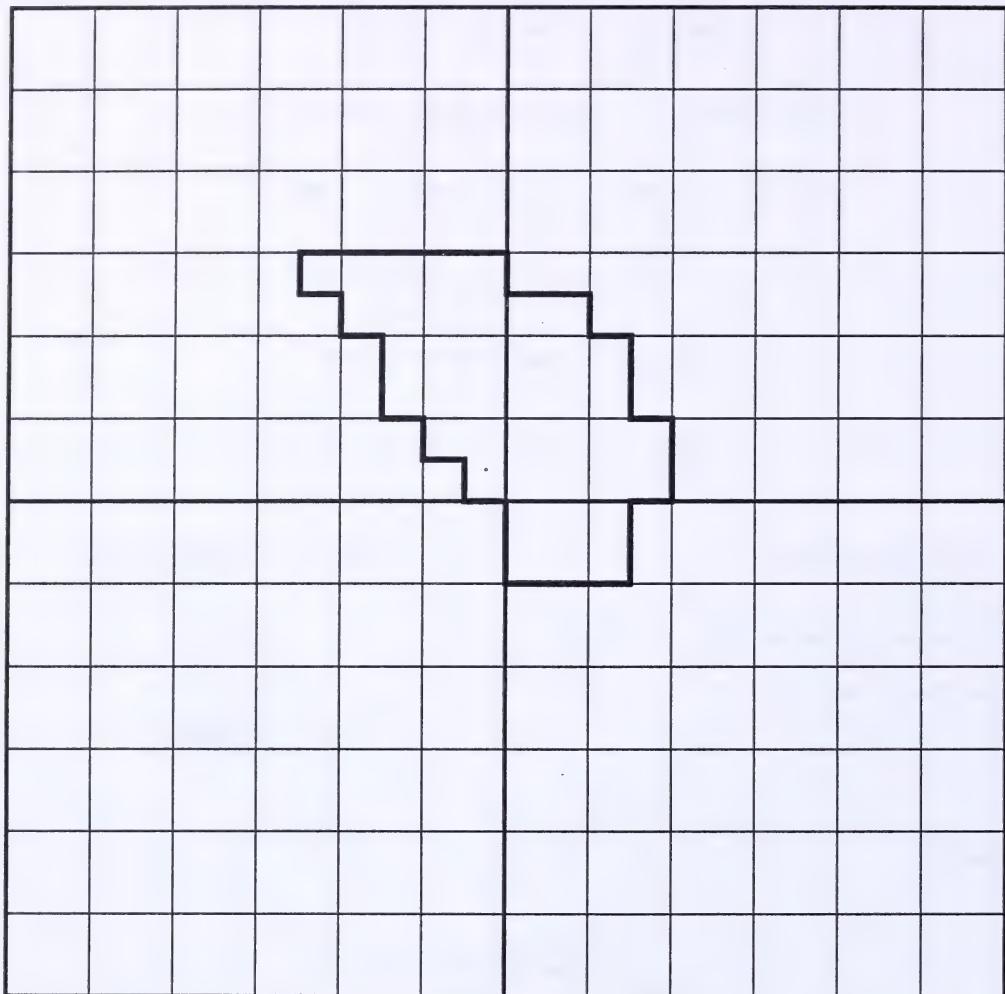
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

R.9

R.8 W.5M.



DEER MOUNTAIN UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE- 1 FEBRUARY 1963

UNIT OPERATOR-ESSO RESOURCES CANADA

SOUTH ELKTON UNIT NO. 1

Located in the Harmattan-Elkton Field

Unit Operator - Home Oil Company Limited

Initial Effective Date - 1 May 1964

Participation Revised - 1 August 1989

*Unitized Zone - Turner Valley Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	.67722
BP Resources Canada Limited	.92789
Comaplex Resources International Ltd.	.59605
Esso Resources Canada	15.90298
Gulf Canada Resources Limited	1.15987
Home Oil Company Limited	40.42115
Mobil Oil Canada	34.92251
Norcen Energy Resources Limited	3.04756
Northern Development Company Limited (N.D.C.L.)	1.26660
Union Pacific Resources Inc.	1.07817
	<u>100.00000</u>

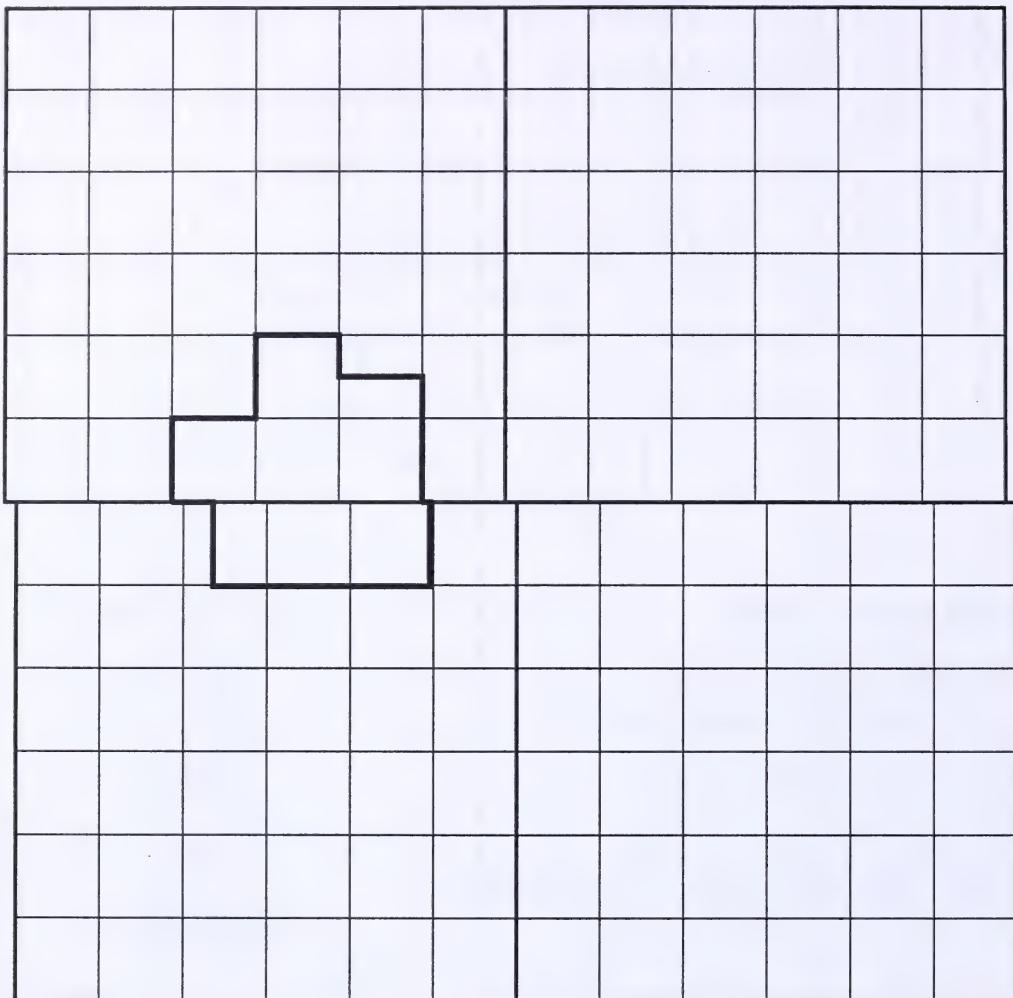
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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Calgary, Alberta

R.4

R.3 W.5M.



SOUTH ELKTON UNIT NO. 1

INITIAL EFFECTIVE DATE- 1 MAY 1964

UNIT OPERATOR-HOME OIL COMPANY LIMITED



ELNORA GAS UNIT

Located in the Elnora, Mikwan and Trochu Fields

Unit Operator - Kerr-McGee Corporation

Initial Effective Date - 1 September 1973

Participation Revised - 1 September 1989

*Unitized Zone - Belly River, Glauconite and Basal Quartz Formations

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	1.3110
Chevron Canada Resources Limited	0.1831
Gardiner Oil and Gas Limited	0.8528
Home Oil Company Ltd.	0.3309
J. M. Huber Corporation	4.6507
Kerr-McGee Corporation	40.2445
Kerr-McGee Canada Ltd.	30.4976
Mobil Oil Canada	0.2711
Norwich Resources Canada Ltd.	0.3281
Opinac Exploration	0.3282
PanCanadian Petroleum Ltd.	20.6738
Sceptre Resources Limited	0.3282
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

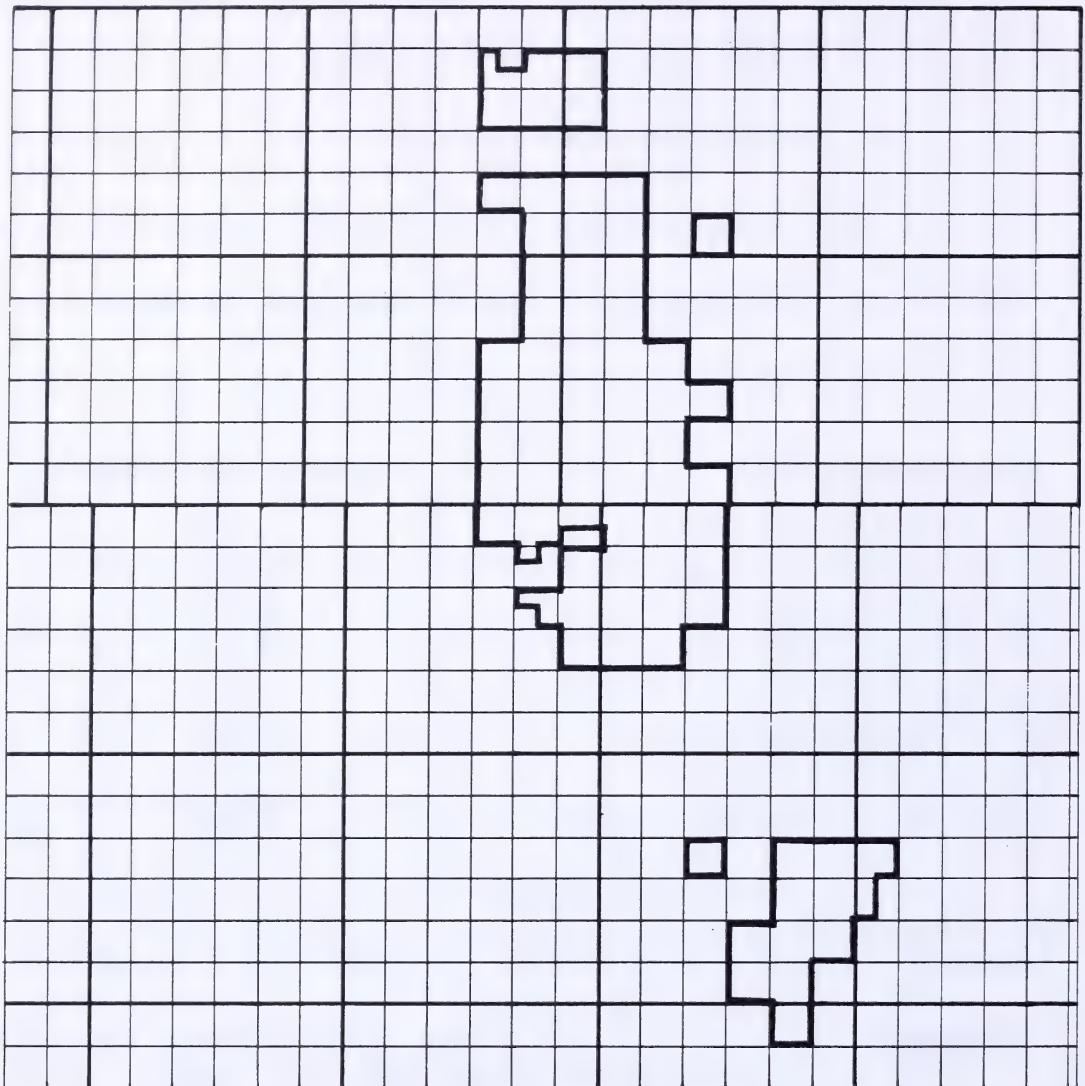
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.24

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ELNORA GAS UNIT

INITIAL EFFECTIVE DATE - SEPTEMBER 1, 1973

UNIT OPERATOR - KERR - McGEE CORPORATION

ERSKINE GAS UNIT NO. 1

Located in the Erskine Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 July 1965

Participation Revised - 1 August 1989

*Unitized Zone - Basal Blairmore

*Unitized Substance - Natural gas and other hydrocarbons (except crude oil and coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alta-Canada Corporation	6.04555
Amoco Canada Resources Ltd.	2.24499
Blair Oil Company	1.64895
Denton Energy Ltd.	0.18322
Enerplus Resources Corporation	0.91341
Esprit Resources Ltd.	0.41281
Esso Resources Canada	5.24072
First Canada Financial Corporation Limited	0.09644
Gulf Canada Resources Limited	38.12635
Harvard International Resources Ltd.	0.91342
Home Oil Company Limited	19.22739
Inter-Rock Oil Company of Canada	0.42408
Knee Hill Energy Canada Ltd.	0.06714
Luscar Ltd.	0.21976
Minaki Minerals Ltd.	1.10376
Norcen Energy Resources Limited	12.33999
Scurry-Rainbow Oil Limited	3.67381
Sharata Resources Limited	0.06429
Texaco Canada Inc., a subsidiary of Imperial Oil Limited	0.50653
Total Petroleum Canada Ltd.	3.69608
United Reef Petroleum Limited	0.10454
400016 Alberta Ltd.	2.74677
	<u>100.00000</u>

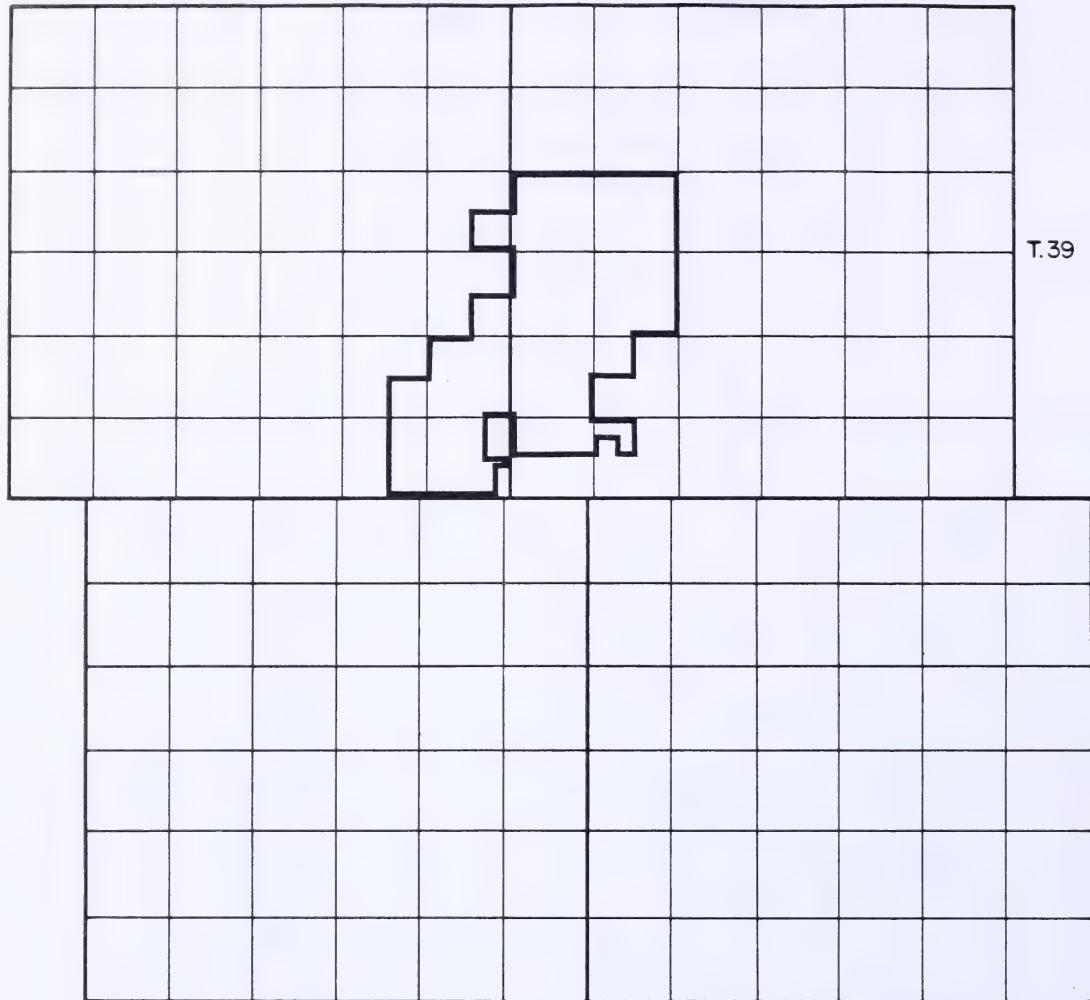
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.21

R.20W.4M.



ERSKINE GAS UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 JULY 1965

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

ERSKINE LEDUC D-3A UNIT NO. 1

Located in the Erskine Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 January 1985

Participation Revised - 1 August 1989

*Unitized Zone - Leduc Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	0.09060
Blair Oil Company	0.08607
Denton Energy Ltd.	0.00453
Esso Resources Canada	2.12530
Esso Resources Canada Limited	1.96844
Gulf Canada Resources Limited	54.88972
Home Oil Company Limited	21.73386
Inter-Rock Oil Co. of Canada	0.76118
Norcen Energy Resources Limited	8.06767
Ranger Oil Limited	4.62400
Texaco Canada Inc., a subsidiary of Imperial Oil Limited	2.54379
400016 Alberta Ltd.	<u>3.10484</u>
	100.00000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

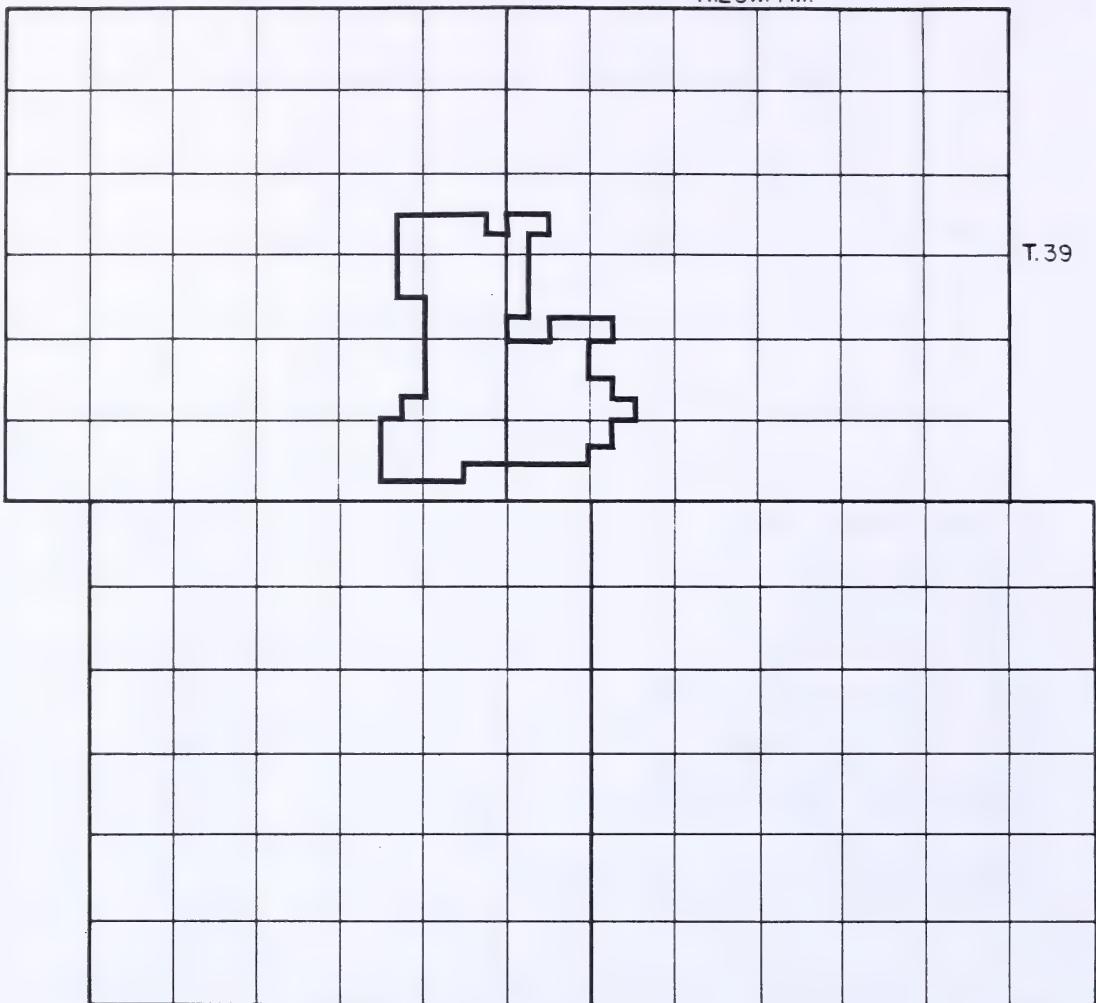
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 21

R.20W.4M.

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T. 3



ERSKINE LEDUC D-3A UNIT NO 1

ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1985

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED

FENN-BIG VALLEY VIKING GAS UNIT NO. 1

Located in the Fenn-Big Valley and Fenn West Fields

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1980

Participation Revised - 1 August 1989

*Unitized Zone - Viking Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	0.25935
Albert Allison c/o National Trust	0.94778
Amoco Canada Resources Ltd.	1.46506
Anned Resources Ltd.	0.12965
Bellport Resources Ltd.	0.02899
Carbon Resources Limited Partnership	0.04055
**Claymore Minerals Ltd.	1.96275
Corexana Ltd.	0.49817
Danjolyn Resources Ltd.	0.02898
Encor Energy Corporation Inc.	1.29600
Enerplus Resources Corporation	2.16995
Esso Resources Canada	2.87665
Esso Resources Canada Limited	1.19709
First Calgary Petroleum Ltd.	0.57293
Gulf Canada Resources Limited	24.75658
Carolyn M. Harris	0.00500
Husky Oil Operations Ltd.	1.27690
J. M. Huber Corporation	0.68010
Kerr-McGee Corporation	2.31238
Lario Oil & Gas Company	3.03792
Lintus Resources Ltd.	0.08500
Mohawk Oil Co. Ltd.	4.43753
Gail F. Moulton Jr.	0.00499
Willis R. Moulton	0.00499
Nicolas Gas & Oil Ltd.	2.13342
Oriole Energy Eastern Ltd.	1.97385
Pacific Lighting Exploration Company	0.99634
PanCanadian Petroleum Limited	22.38722

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Penn West Petroleum Ltd.	0.00172
Pensionfund Energy Resources Limited	2.36945
Petrorep (Canada) Ltd.	0.49818
Phillips Petroleum Canada Ltd.	0.48030
Ranger Oil Limited	9.70105
Restech Canada Holdings Limited	0.35107
Shell Canada Limited	2.10300
Teepee Petroleum Ltd.	1.97385
Venwest Resources Limited	2.16995
Western D'Eldona Resources Limited	1.42167
Westmin Resources Limited	0.03268
212082 Holdings Ltd.	0.02898
343508 Alberta Ltd.	1.30198
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

**In Receivership with Deloitte Haskins & Sells Limited (as Receiver Manager)

(For Area - See Reverse Side)

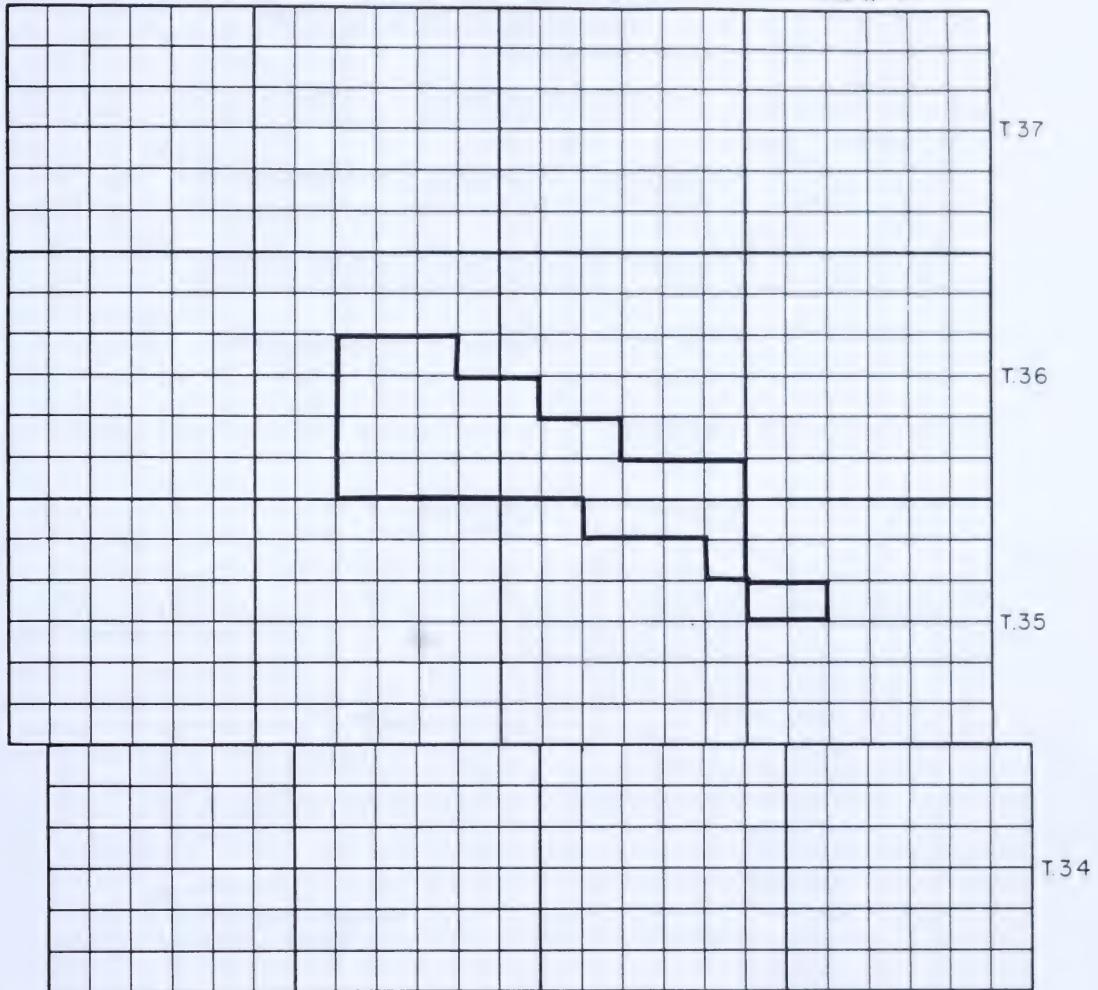
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.22

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R19 W4 M



FENN-BIG VALLEY VIKING GAS UNIT NO.1



INITIAL EFFECTIVE DATE - 1 MAY 1980

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

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FERRYBANK BELLY RIVER GAS UNIT

Located in the Ferrybank Field

Unit Operator - Kerr-McGee Corporation

Initial Effective Date - 31 December 1975

Participation Revised - 1 June 1989

*Unitized Zone - Belly River Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Alberta Gas Products Ltd.	1.3118
Amoco Canada Resources Ltd.	8.2145
Columbia Gas Development of Canada Limited	0.1069
Consolidated Talcorp Limited	1.3118
J. M. Huber Corporation	1.3351
Husky Oil Operations Ltd.	2.4476
Kerr-McGee Corporation	30.9706
Mobil Oil Canada	2.9458
Murphy Oil Company Ltd.	30.3598
Norcen Energy Resources Limited	1.6568
PanCanadian Petroleum Limited	9.3655
Petro-Canada Inc.	9.9738
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	100.0000

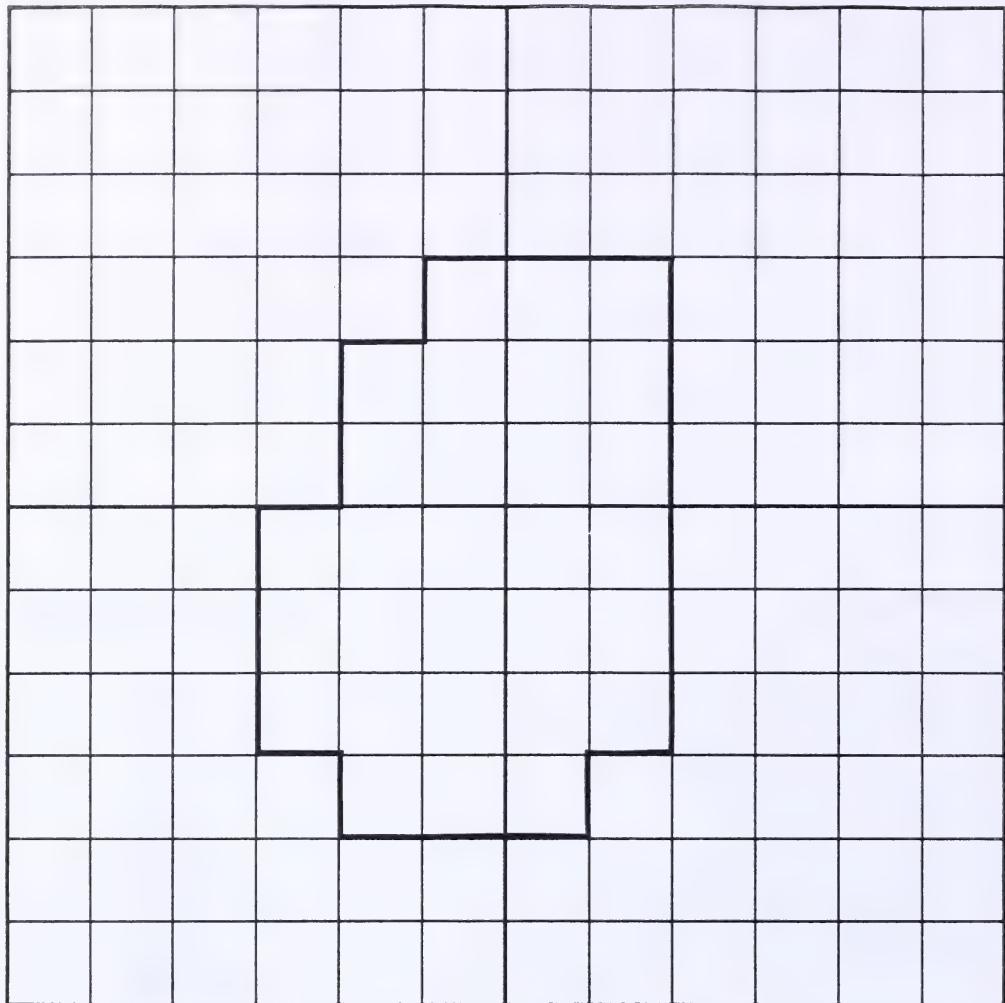
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R.27W.4M.



FERRYBANK BELLY RIVER GAS UNIT

ERCB

INITIAL EFFECTIVE DATE — 31 DECEMBER 1975

UNIT OPERATOR — KERR-McGEE CORPORATION

FREEMAN UNIT NO. 1

Located in the Virginia Hills Field

Unit Operator - Hudson's Bay Oil and Gas Company Limited

Initial Effective Date - 1 June 1968

Participation Revised - 1 July 1989

*Unitized Zone - Swan Hills Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Home Oil Company Limited	25.883459
Hudson's Bay Oil and Gas Company Limited	26.607964
Maxus Energy Canada, Ltd.	7.124311
Mobil Oil Canada	6.651991
Petroterra Natural Resources Ltd.	7.124311
Unocal Canada Resources	<u>26.607964</u>
	<u>100.000000</u>

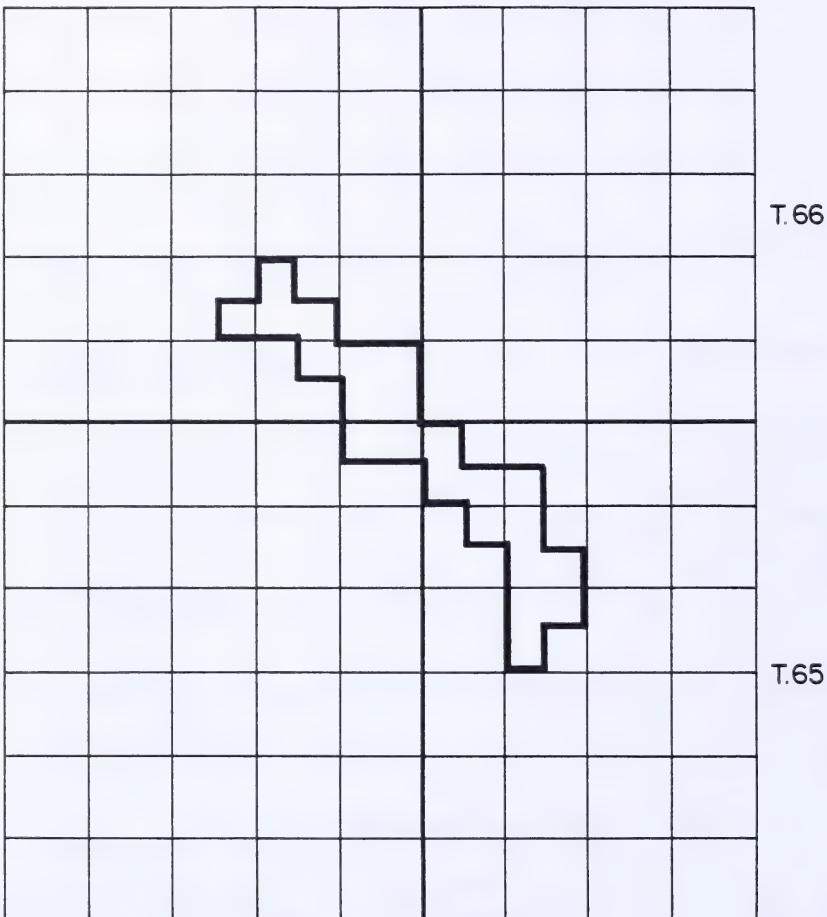
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R.12W.5M.



FREEMAN UNIT NO. I

INITIAL EFFECTIVE DATE - JUNE 1 1968

UNIT OPERATOR - HUDSON'S BAY OIL AND GAS COMPANY LIMITED

GILBY JURASSIC "B" UNIT NO. 1

Located in the Gilby Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 October 1965

Participation Revised - 1 July 1989

*Unitized Zone - Jurassic B Sand

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.6931
Blair Oil Company	2.5369
Canadian Occidental Petroleum Ltd.	5.5405
Denison Mines Limited	4.8419
Mr. F. G. Gannon	0.1562
Gulf Canada Corporation	8.0472
Husky Oil Operations Ltd.	53.6915
Maxus Energy Canada, Ltd.	2.0615
Petro-Canada Inc.	<u>20.4312</u>
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

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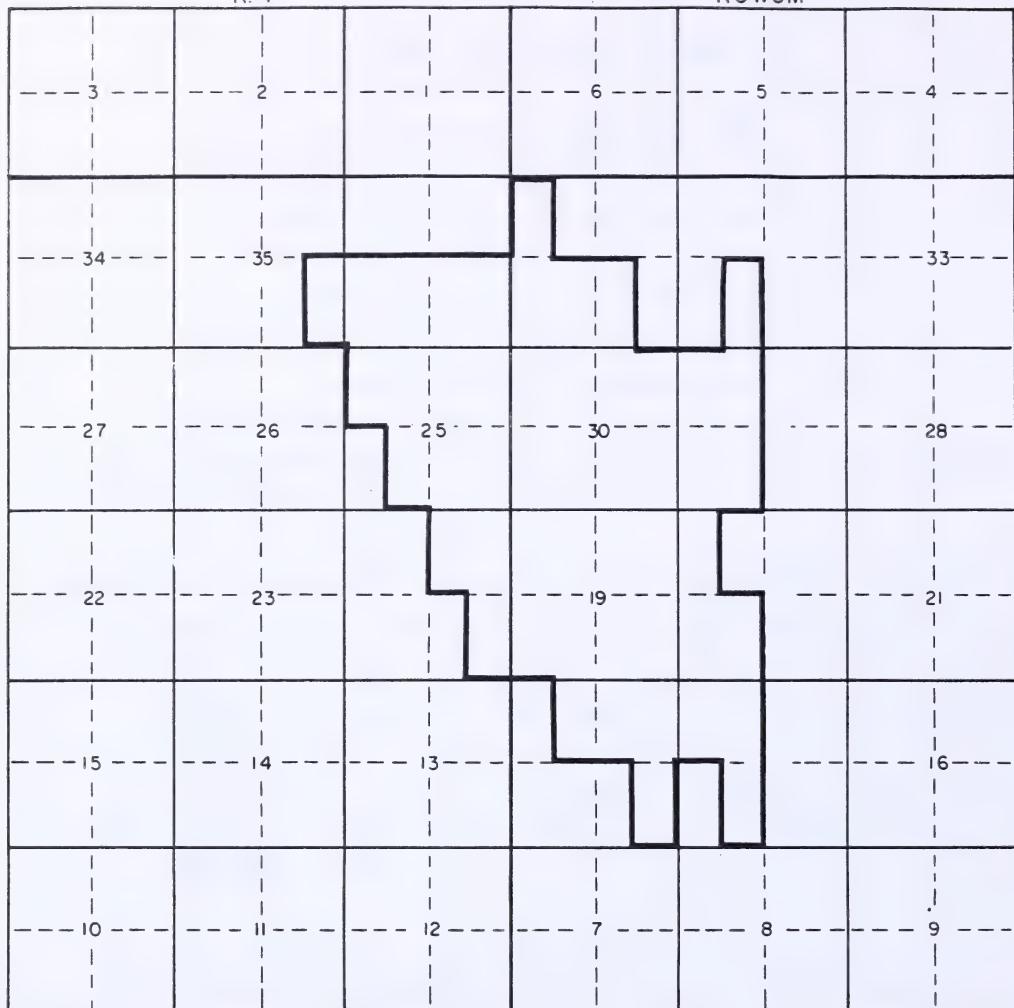
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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GILBY JURASSIC 'B' UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 OCTOBER 1965

UNIT OPERATOR- PETRO-CANADA INC

GILBY LOWER MANNVILLE OSTRACOD UNIT NO. 1

Located in the Gilby Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 25 October 1972

Participation Revised - 1 July 1989

*Unitized Zone - Lower Mannville Ostracod

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	0.97333
Amoco Canada Resources Ltd.	0.04999
Edwin Foster Blair (carrying on business as Blair Oil Company)	0.04499
Canadian Occidental Petroleum Ltd.	3.34553
Denison Mines Limited	0.80882
F. G. Gannon	0.00499
Gulf Canada Corporation	5.10240
Husky Oil Operations Ltd.	40.34753
Lincoln-McKay Development Company Ltd.	2.58641
New York Oils Limited	1.03557
PanCanadian Petroleum Limited	10.46915
Petro-Canada Inc.	34.25796
Texaco Canada Resources	0.97333
	<u>100.00000</u>

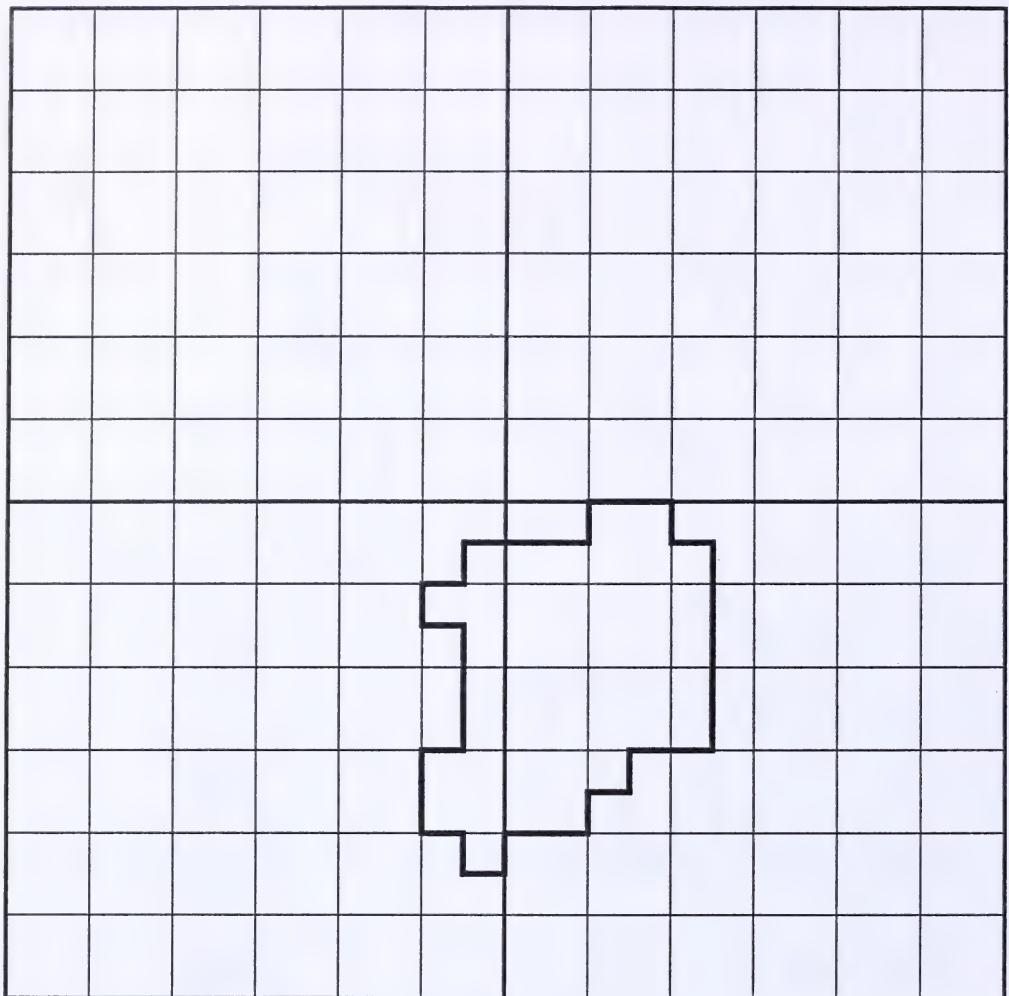
*For a complete definition of unitized zones and substances see Unit
Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R.3 W.5M.



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GILBY LOWER MANNVILLE OSTRACOD UNIT NO.1 **ERCB**

INITIAL EFFECTIVE DATE- 25 OCTOBER 1972

UNIT OPERATOR- PETRO-CANADA INC.

GILBY VIKING "B" UNIT NO. 1

Located in the Gilby Field

Unit Operator - Hamilton Brothers Canadian Gas Company Ltd.

Initial Effective Date - 1 November 1971

Participation Revised - 1 September 1989

*Unitized Zone - Viking Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	1.5550
Amoco Canada Petroleum Company Ltd.	9.4092
Coopers & Lybrand Limited as Receiver for 297608 Production Limited Partnership 1984	0.7776
Enerplus Resources Corporation	3.8874
Esso Resources Canada	9.4094
Hamilton Brothers Canadian Gas Company Ltd.	9.7365
Mobil Oil Canada	6.7522
Petro-Canada Exploration Inc.	9.4092
Royal Trust Corporation of Canada	49.0635
	<u>100.0000</u>

*For a complete definition of unitized zones and substances
see Unit Documents.

(For Area - See Reverse Side)

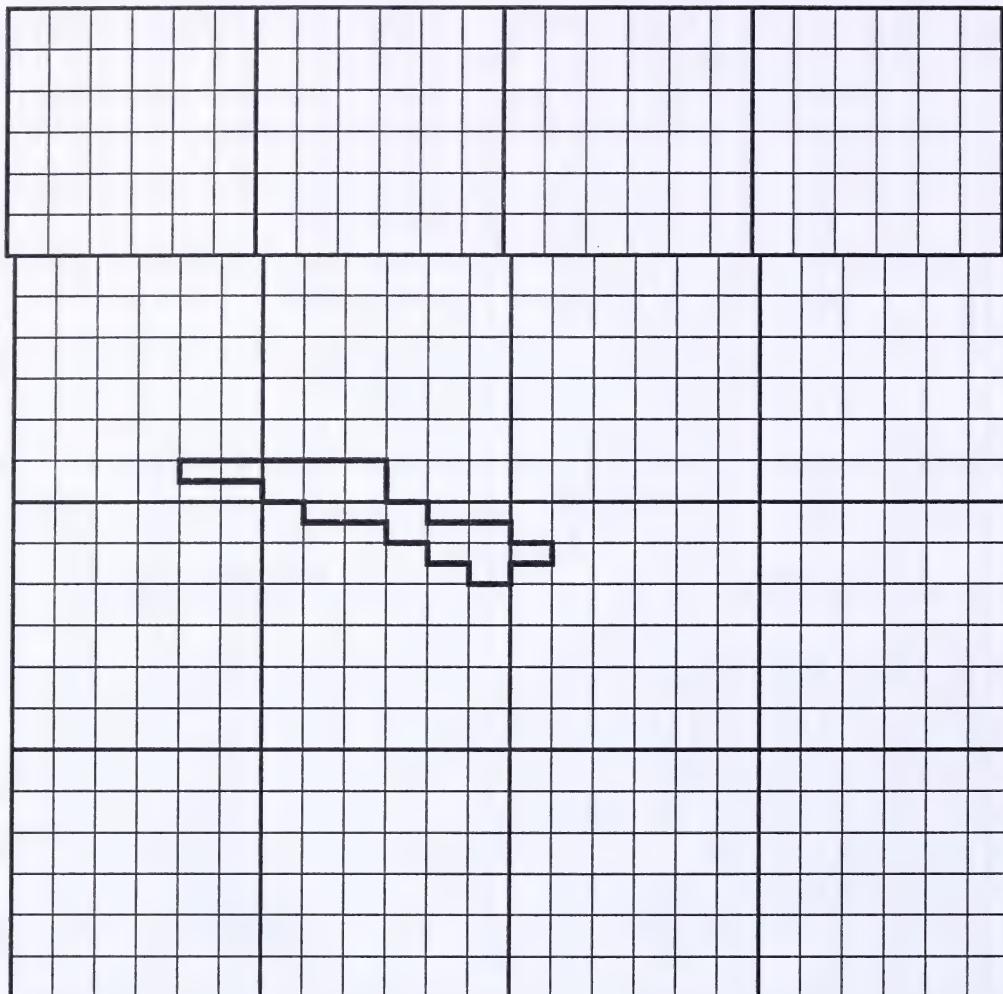
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.5

R.4

R.3

R.2 W.5M.



GILBY VIKING B UNIT NO.1

 ERCB

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1971

UNIT OPERATOR-HAMILTON BROTHERS CANADIAN GAS COMPANY LTD.

GOOSE RIVER UNIT NO. 1

Located in the Goose River Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 July 1968

Participation Revised - 1 August 1989

*Unitized Zone - Swan Hills Member

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	3.2500
Esso Resources Canada Limited	39.0000
Gulf Canada Resources Limited	54.5000
Suncor Inc.	3.2500
	<u>100.0000</u>

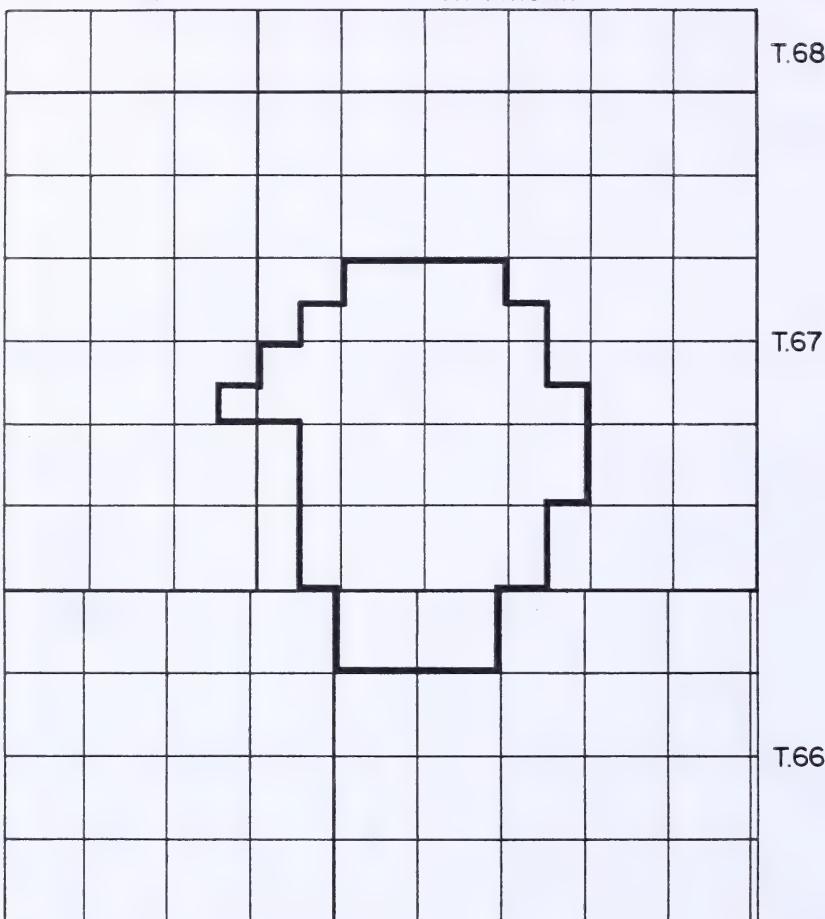
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.19

R.18W.5M.



GOOSE RIVER UNIT NO.1

INITIAL EFFECTIVE DATE - JULY 1, 1968

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

GREENCOURT EAST GAS UNIT NO. 1

Located in the Greencourt Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 12 June 1975

Participation Revised - 1 August 1989

*Unitized Zone - Nordegg Zone

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Centipede Holdings Ltd.	47.50
Esso Resources Canada	47.50
Petro-Canada Inc.	5.00
	<hr/>
	100.00

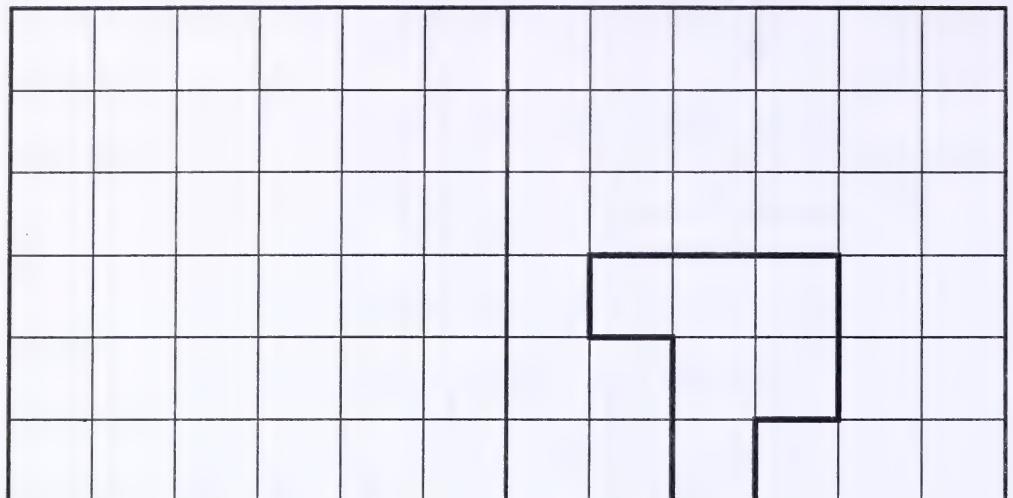
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

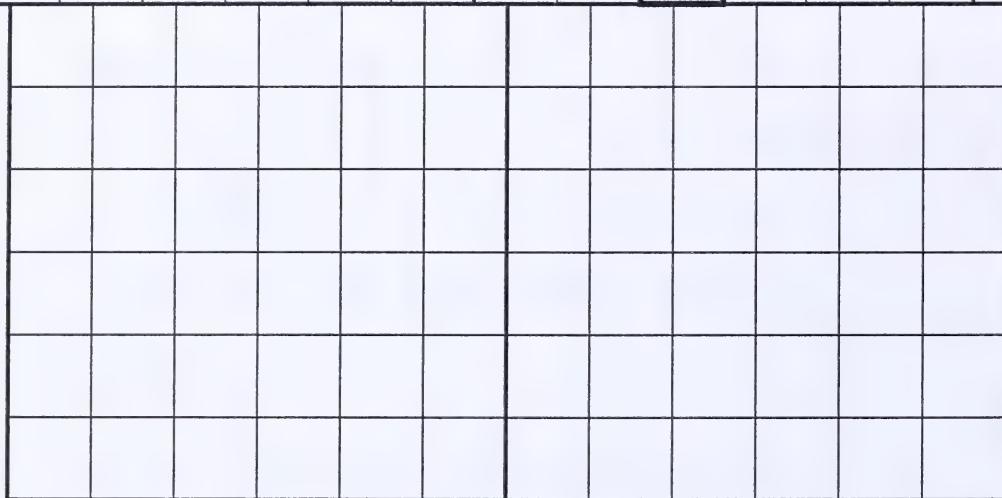
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.5M.



T.59



T.58

GREENCOURT EAST GAS UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE- 12 JUNE 1975

UNIT OPERATOR-ESSO RESOURCES CANADA

GREENCOURT GAS UNIT NO. 1

Located in the Greencourt Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 May 1971

Participation Revised - 1 July 1989

*Unitized Zone - Jurassic and Pekisko

*Unitized Substance - Natural Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	1.214
Amoco Canada Resources Ltd.	28.136
Canadian Occidental Petroleum Ltd.	15.502
Esso Resources Canada Limited	17.775
Home Oil Company Limited	2.394
Northern Development Company Limited	9.379
Petro-Canada Inc.	18.807
Texaco Canada Resources	1.214
Total Petroleum Canada Ltd.	<u>5.579</u>
	<u>100.000</u>

*For a complete definition of unitized zones and substances
see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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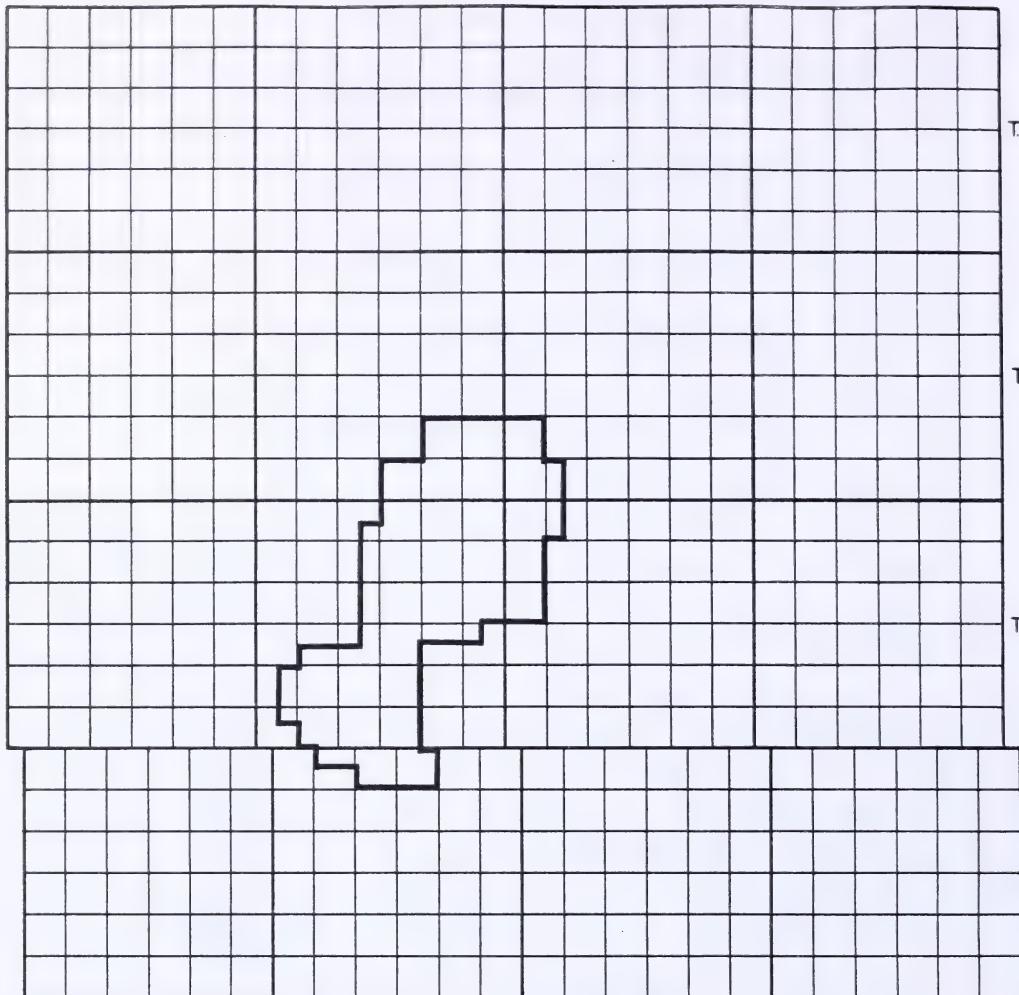
R.7 W5M

T.61

T.60

T.59

T.58



GREENCOURT GAS UNIT NO. I

INITIAL EFFECTIVE DATE - 1 MAY 1971

UNIT OPERATOR - PETRO-CANADA INC.

ERCB

HUXLEY GAS UNIT NO. 1

Located in the Huxley Field

Unit Operator - Sceptre Resources Limited

Initial Effective Date - 1 June 1972

Participation Revised - August 1989

*Unitized Zone - Viking, Glauconite and Basal Quartz Formations

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	6.316229
Canadian Natural Resources Limited	5.659789
Comaplex Resources International Ltd.	5.675405
Copetrex Oil & Gas Co. Ltd.	2.837703
Corexcal, Inc.	1.313157
Dorset Energy Corporation	2.270162
Hudson's Bay Oil and Gas Company Limited	3.072228
Husky Oil Operations Ltd.	5.433497
Kerr McGee Corporation	0.713542
Martin, Antia M.	1.135082
McFeely, Marian E.	1.135082
McFeely, Michael B.	1.702624
Mobil Oil Canada, Ltd.	3.716093
NCE Oil & Gas (86-1) Ltd.	2.270162
Noramco Mining Corporation	0.572138
Pacific Enterprises Oil Company (Netherlands)	2.626319
PanCanadian Petroleum Limited	16.902579
Petrorep (Canada) Ltd.	1.313157
Reco Management Enterprises Ltd.	2.270162
Sceptre Resources Limited	18.321178
Sunlite Oil Company Limited	2.698044
Trilogy Resource Corporation	3.659240
Universal Explorations Ltd.	2.626323
Westcoast Petroleum Ltd.	5.760105
	<u>100.000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

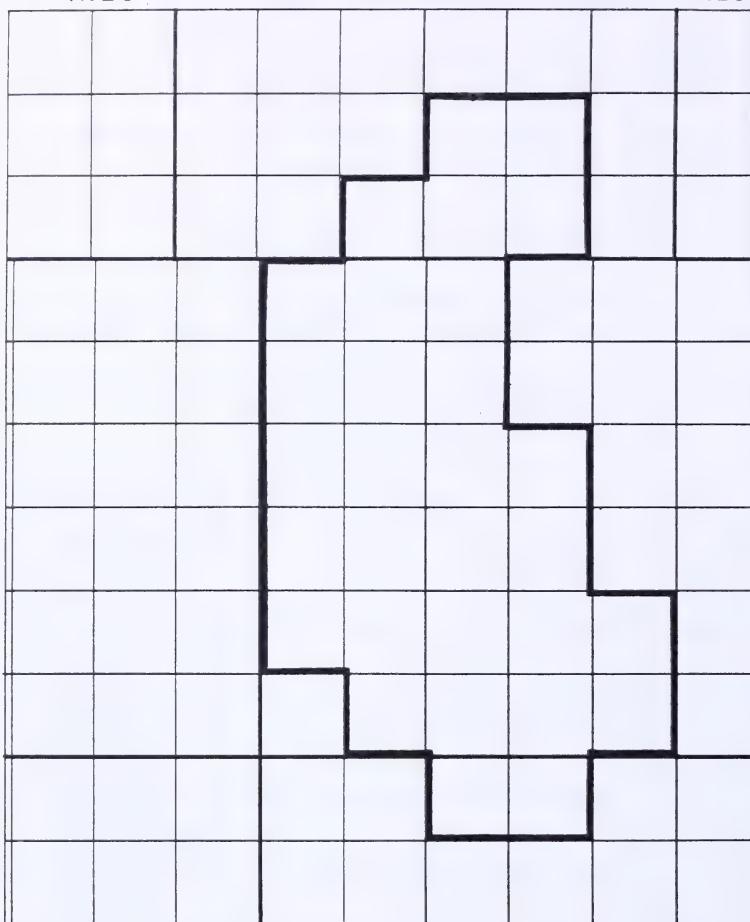
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.25

R.24 W4

R.23



HUXLEY GAS UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1972

UNIT OPERATOR - SCEPTRE RESOURCES LIMITED

INVERNESS UNIT NO. 1

Located in the Swan Hills Field

Unit Operator - Home Oil Company Limited

Initial Effective Date - 1 December 1964

Participation Revised - 1 August 1989

*Unitized Zone - Swan Hills Member

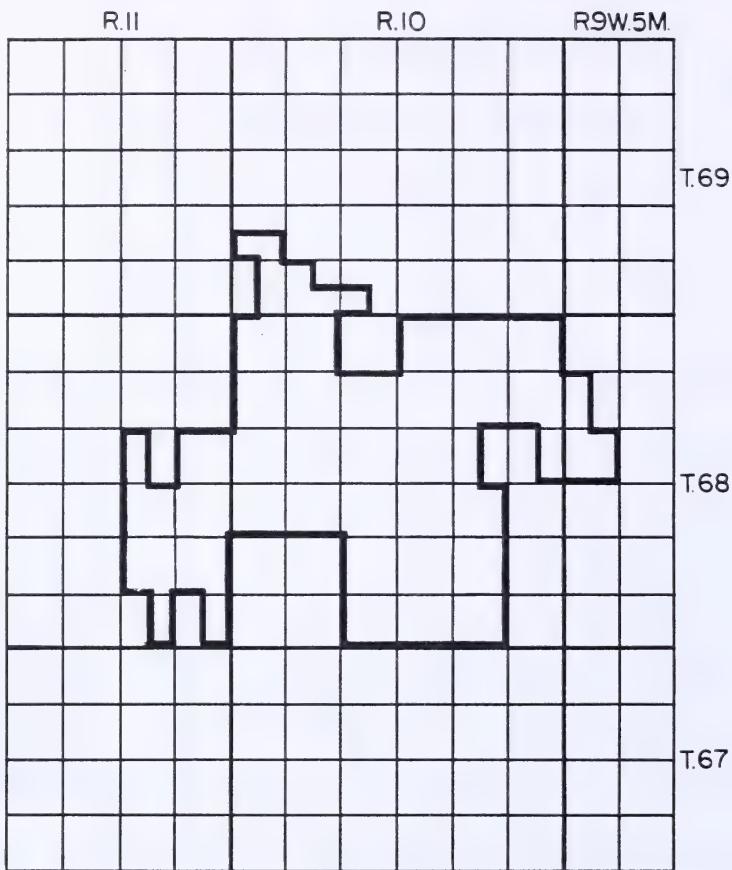
*Unitized Substance - Petroleum Substances

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	0.1327704
BP Resources Canada Limited	22.0966896
Canadian Occidental Petroleum Ltd.	2.1458327
Enerplus Resources Corporation	4.1652775
Esso Resources Canada	30.3006401
Esso Resources Canada Limited	1.5856170
Home Oil Company Limited	30.4004475
Norcen Energy Resources Limited	2.8801403
Petro-Canada Inc.	0.4096050
Prairie Oil Royalties Company Ltd.	0.1753414
Suncor Inc.	2.6718570
Total Petroleum Canada Ltd.	1.9837330
Universal Explorations Ltd.	1.0520485
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



INVERNESS UNIT NO. I

INITIAL EFFECTIVE DATE - DECEMBER 1, 1964

UNIT OPERATOR-HOME OIL COMPANY LIMITED

JOFFRE D-2 UNIT NO. 1

Located in the Joffre Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1969

Participation Revised - 1 September 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	6.07823
Balmer Enterprises Inc.	0.20226
Canada Northwest Energy Limited	0.48280
Canadian Superior Oil Ltd.	8.29427
Caroline Petroleum (1985) Ltd.	0.15688
Chair Holdings Limited	3.96651
Chevron Canada Resources	18.99677
Daisy Oils Ltd.	0.47296
Enerplus Resources Corporation	0.07932
Esso Resources Canada	2.80375
Esso Resources Canada Limited	28.60011
Gardiner Oil and Gas Limited	0.12203
Gulf Canada Resources Limited	1.98518
New York Oils Limited	0.40203
Norcen Energy Resources Limited	2.75344
Petro-Canada Inc.	7.70335
Ranger Oil Limited	2.51793
Scurry-Rainbow Oil Limited	0.41111
Shell Canada Limited	4.32411
Suncor Inc.	7.18575
Total Petroleum Canada Ltd.	1.54280
Unocal Canada Limited	0.91841
	<u>100.00000</u>

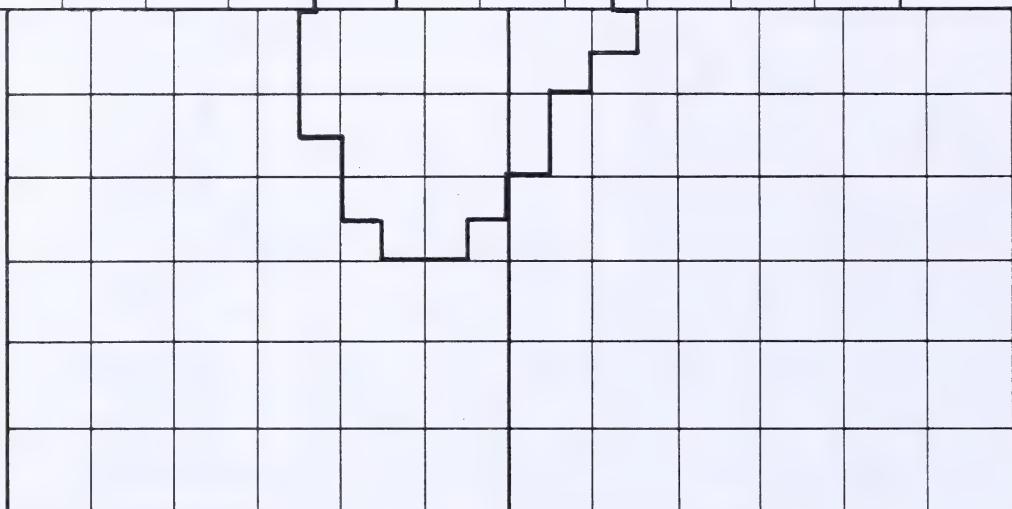
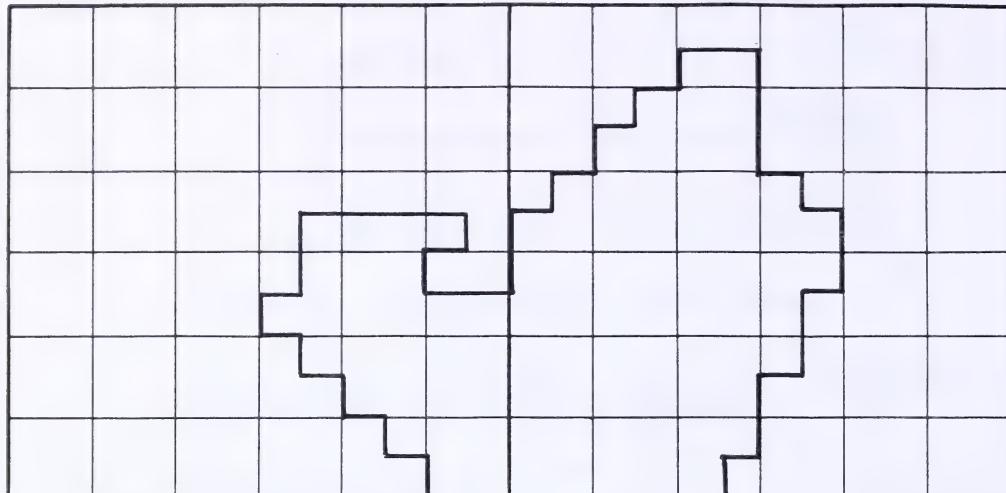
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.27

R.26W.4M.



JOFFRE D-2 UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1969

UNIT OPERATOR- ESSO RESOURCES CANADA LIMITED

JUDY CREEK WEST BEAVERHILL LAKE UNIT

Located in the Judy Creek Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 June 1964

Participation Revised - 1 September 1989

*Unitized Zone - Swan Hills Member of the Beaverhill Lake Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Denison Mines Limited	15.92094
Esso Resources Canada	5.10526
Esso Resources Canada Limited	73.55545
Murphy Oil Company Ltd.	1.61686
Suncor Inc.	<u>3.80149</u>
	<u>100.00000</u>

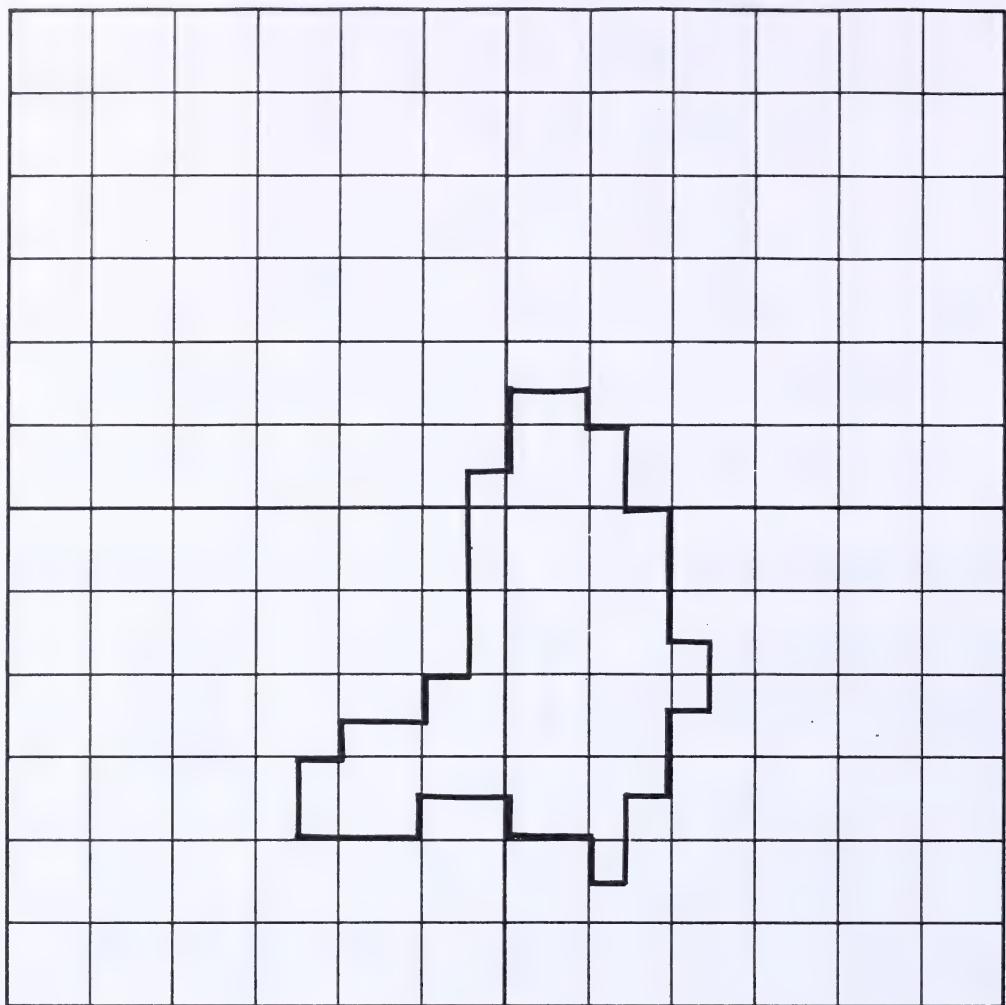
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.12

R1W.5 M.



JUDY CREEK WEST BEAVERHILL LAKE UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 JUNE 1964

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

KAKWA CARDIUM "A" UNIT

Located in the Kakwa Field

Unit Operator - Unocal Canada Resources

Initial Effective Date - 1 September 1983

Participation Revised - 13 September 1989

*Unitized Zone - Kakwa "A" Cardium "A" and Kakwa "A" Cardium "C"

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	1.33676
Amoco Canada Resources Ltd.	3.36164
Bow Valley Industries Ltd.	0.43286
Canadian Hunter Exploration Ltd.	8.89596
Dickenson Mines Limited	0.13289
Domtar Energy Inc.	1.33934
Esso Resources Canada Limited	31.73417
Kam-Kotia Mines Limited	0.13289
Mark Resources Inc.	0.28857
Mobil Oil Canada	5.53018
Murphy Oil Company Ltd.	0.15947
New York Oils Limited	0.66729
PanCanadian Petroleum Limited	1.33676
Unocal Canada Resources	44.65122
	<u>100.00000</u>

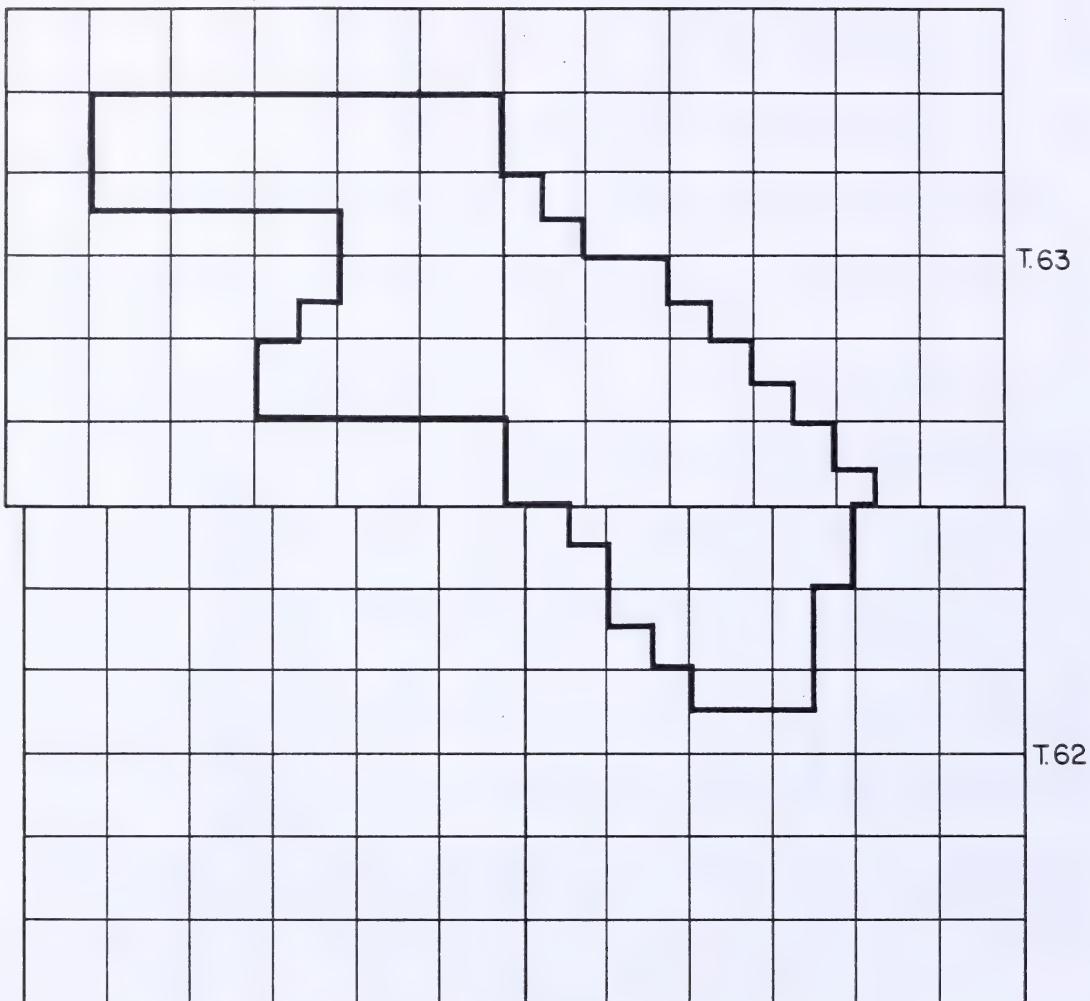
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.6

R.5W6M



KAKWA CARDIUM "A" UNIT

INITIAL EFFECTIVE DATE — SEPTEMBER 1, 1983

UNIT OPERATOR — UNOCAL CANADA RESOURCES

KAYBOB NOTIKEWIN UNIT NO. 1

Located in the Kaybob Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 May 1963

Participation Revised - 1 July 1989

*Unitized Zone - Notikewin Pool

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	1.739899
Amoco Canada Petroleum Company Ltd.	1.596443
Amoco Canada Resources Ltd.	0.263962
BP Resources Canada Limited	5.700896
Chevron Canada Resources	30.824984
Conwest Petroleum Corporation	0.004602
Encor Energy Corporation Inc.	3.091211
Gulf Canada Resources Limited	21.014900
Mobil Oil Canada	5.207060
Petro-Canada Inc.	22.600280
Petroterra Natural Resources Ltd.	2.346378
Shell Canada Limited	0.354885
Texaco Canada Resources	1.198304
Total Petroleum Canada Ltd.	1.111907
Union Pacific Resources Inc.	2.360519
Unocal Canada Resources	0.583770
	<u>100.000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

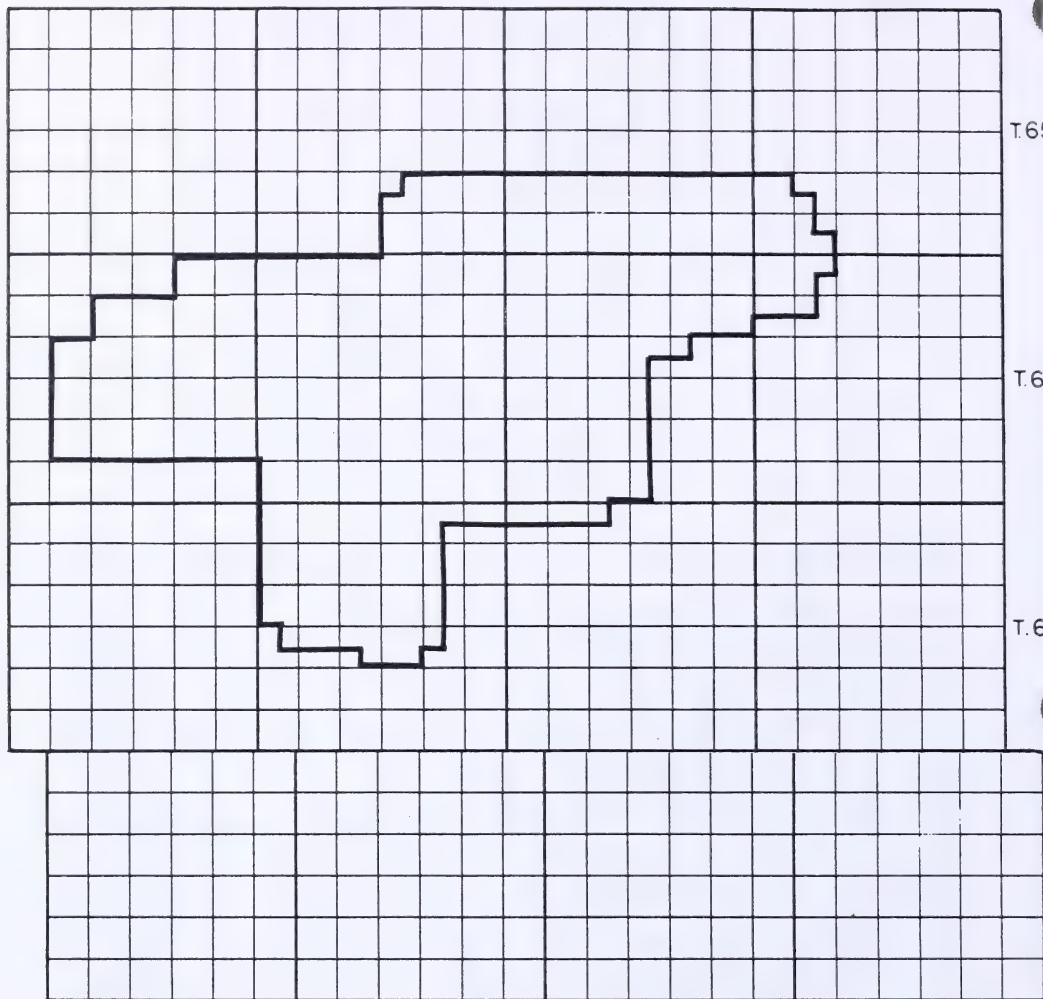
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.20

R.19

R.18

R.17W5M



KAYBOB NOTIKEWIN UNIT NO. I

INITIAL EFFECTIVE DATE - 1 MAY 1963

UNIT OPERATOR- PETRO- CANADA INC.



LEDUC-WOODBEND D-2 UNIT

Located in the Leduc-Woodbend Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 October 1960

Participation Revised - 1 September 1989

*Unitized Zone - Nisku D-2 Formation

*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adanac Oil & Gas Limited	0.07420
Amoco Canada Resources Ltd.	4.38150
Bankeno Resources Limited	0.09070
Bow Valley Industries Ltd.	0.50960
Canadian Superior Oil Ltd.	0.93306
Centipede Holdings Ltd.	0.45250
Chevron Canada Resources	0.39120
Enerplus Resources Corporation	1.69920
Esso Resources Canada	0.27845
Esso Resources Canada Limited	72.20710
Guaranty Trust Company of Canada	0.32070
Gulf Canada Resources Limited	0.27845
Home Oil Company Limited	3.92391
Husky Oil Operations Ltd.	1.32630
Magnum Resources Ltd.	0.13360
Mutual Holdings Limited	0.62910
Norcen Energy Resources Limited	1.19530
Norcen Energy Resources Limited	0.43010
Pembina Resources Limited	0.28350
Petro-Canada Inc.	1.82030
Sereda Oils Ltd.	0.65350
Shell Canada Limited	2.76863
TAP Capital Gas Corporation	1.30700
Ulster Petroleum Ltd.	0.36930
Venwest Resources Limited	1.24670
Well Operators Limited	2.29610
	<u>100.00000</u>

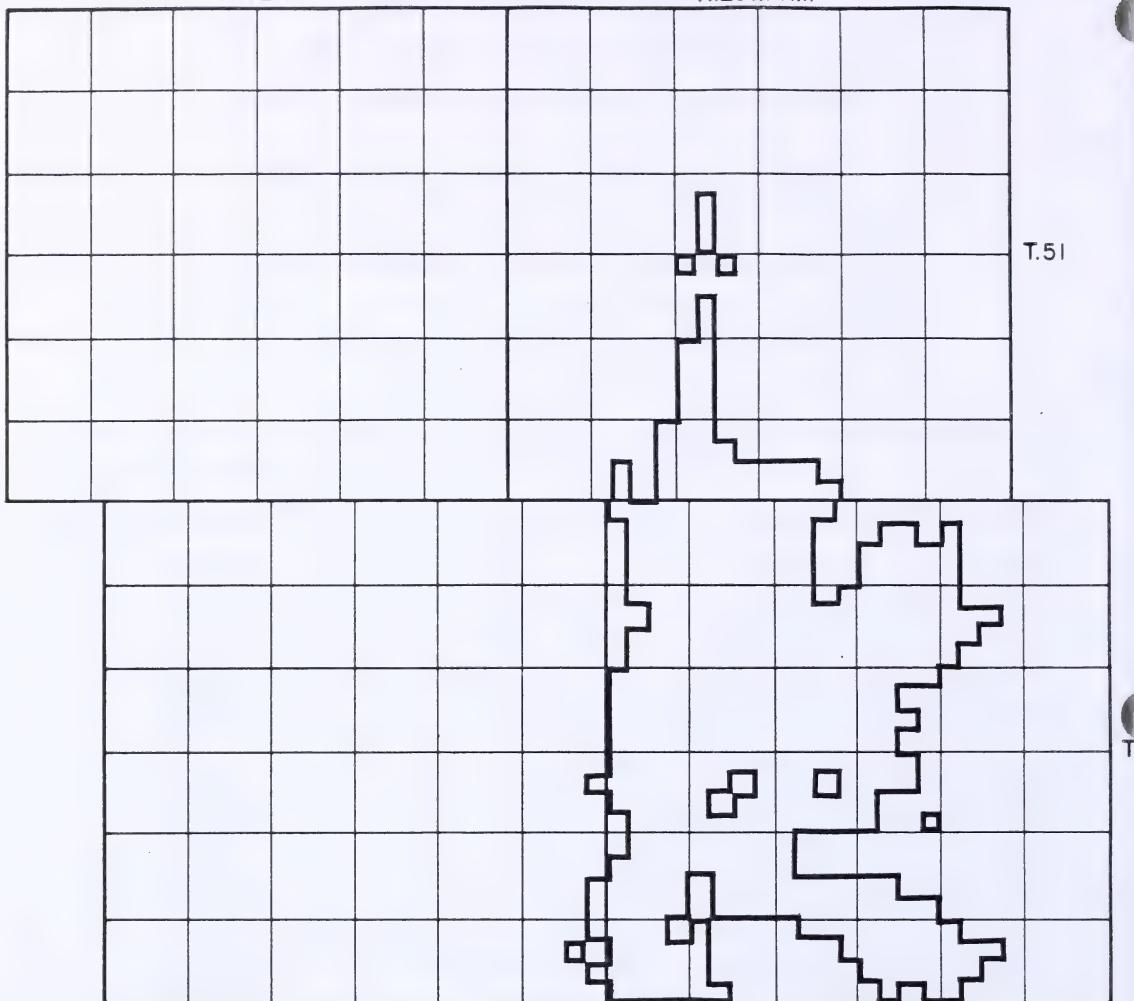
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.27

R.26W.4M.



LEDUC WOODBEND D-2 UNIT

INITIAL EFFECTIVE DATE - 1 OCTOBER 1960

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

ERCB

LEDUC-WOODBEND D-3 UNIT

Located in the Leduc-Woodbend Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 October 1960

Participation Revised - 1 September 1989

*Unitized Zone - Leduc (D-3) Unit Formations

*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.4507550
Bankeno Resources Ltd.	0.0029147
Canadian Superior Oil Ltd.	0.8614885
Canterra Energy Limited	0.4500324
Centipede Holdings Ltd.	0.4500324
Chair Holdings Limited	1.3447115
Chevron Canada Resources	0.0690604
Encor Energy Corporation Inc.	0.2146458
Enerplus Resources Corporation	0.1572862
Esso Resources Canada Limited	82.0935950
B. H. Gaboury Holdings Ltd.	0.0129910
Bernard Hemsing	0.0046316
Home Oil Company Limited	3.7839568
LASMO Canada Inc.	0.1053315
Morrison Petroleum Ltd.	0.0129910
Mutual Holdings Limited & Associates	0.1726292
Nevada Oil & Gas Ltd.	0.0081193
Norcen Energy Resources Limited	
Norcen, Western Properties	0.0034971
Norcen	2.1556083
Normandie Resource Corporation	2.1591054
NV Resources Corporation Ltd.	0.0684711
Orbit Oil & Gas Ltd.	0.0081193
PanCanadian Petroleum Limited	0.0032478
Passburg Petroleum Ltd.	0.2351348
Petro-Canada Inc.	0.2146457
	1.3245826

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Sereda Oils Ltd.	0.4338449
Shell Canada Limited	2.4851117
Triple Three Triple Nine Resources Ltd.	0.0066876
Ulster Petroleum Ltd.	0.2949521
Venwest Resources Ltd.	0.1572863
Yeske Petroleum Ltd.	0.4006474
286535 Alberta Ltd.	0.0129910
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	100.0000000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

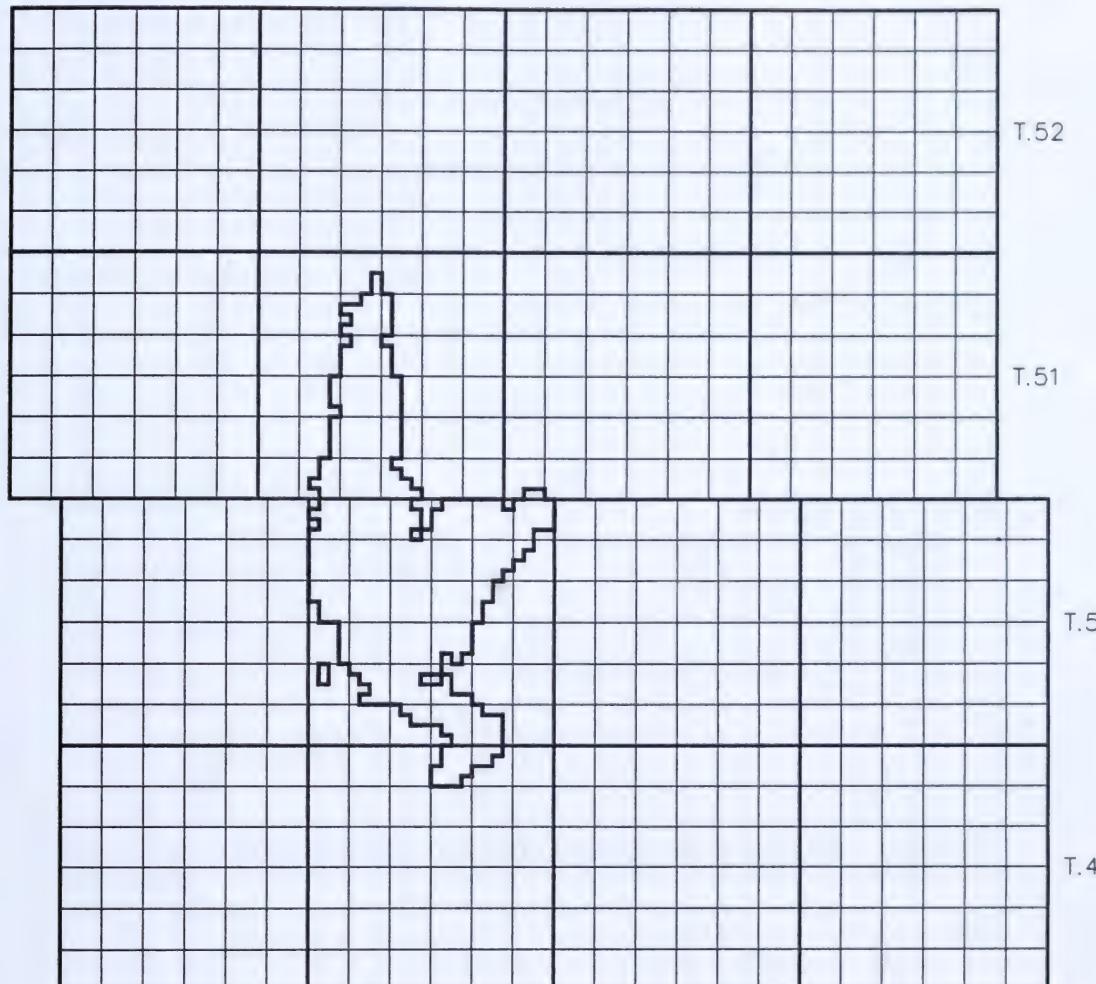
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R.24 W.4M.

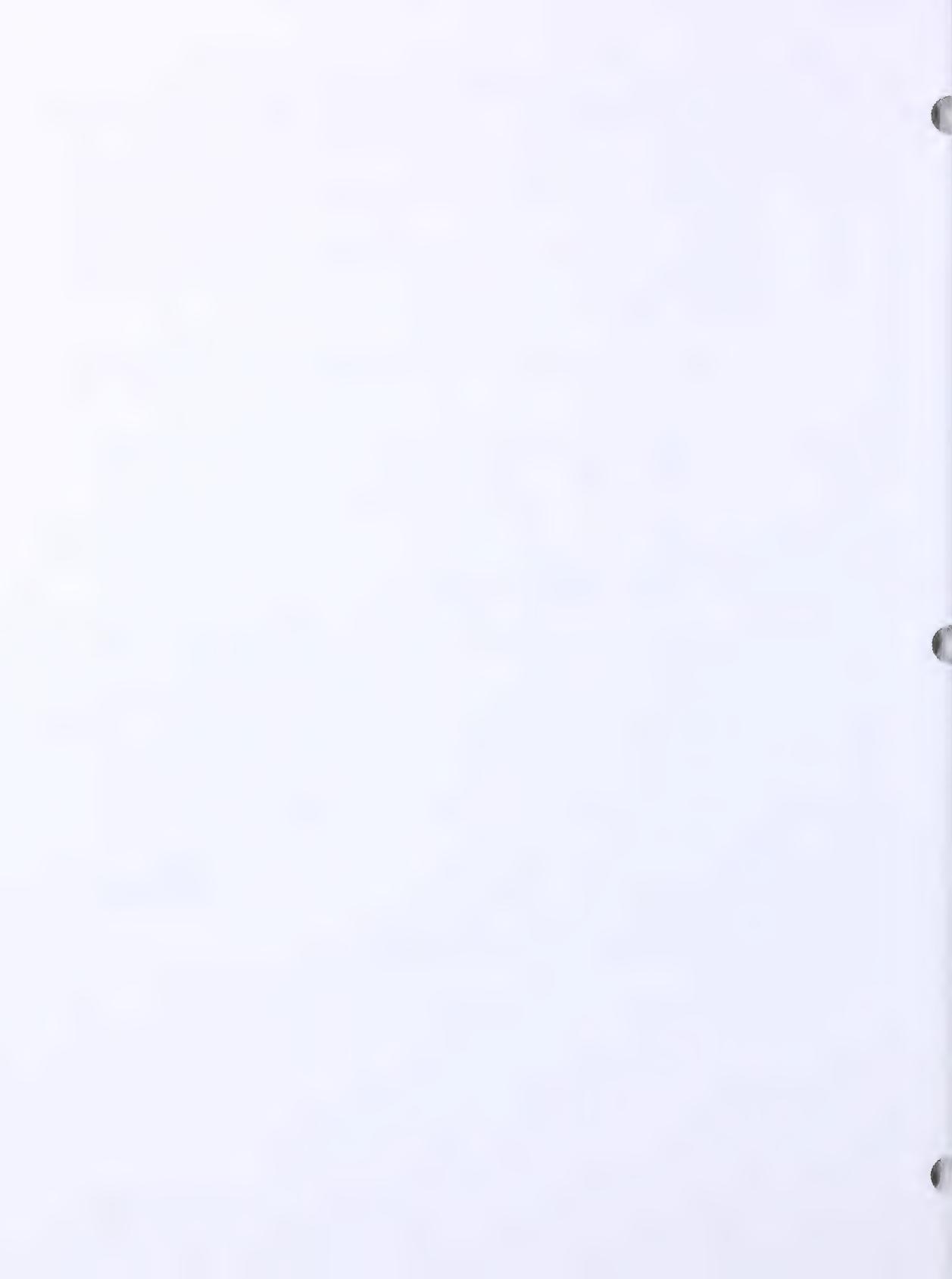


LEDUC-WOODBEND D-3 UNIT

INITIAL EFFECTIVE DATE- 1 OCTOBER 1960

UNIT OPERATOR-ESSO RESOURCES CANADA LIMITED

ERCB



LEISMER EAST GAS UNIT NO. 1

Located in the Leismer Field

Unit Operator - Home Oil Company Limited

Initial Effective Date - 1 May 1980

Participation Revised - 1 August 1989

*Unitized Zone - Clearwater B

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	16.19000
Amoco Canada Resources Ltd.	5.75000
Esso Resources Canada	21.26000
Home Oil Company Limited	56.80000
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

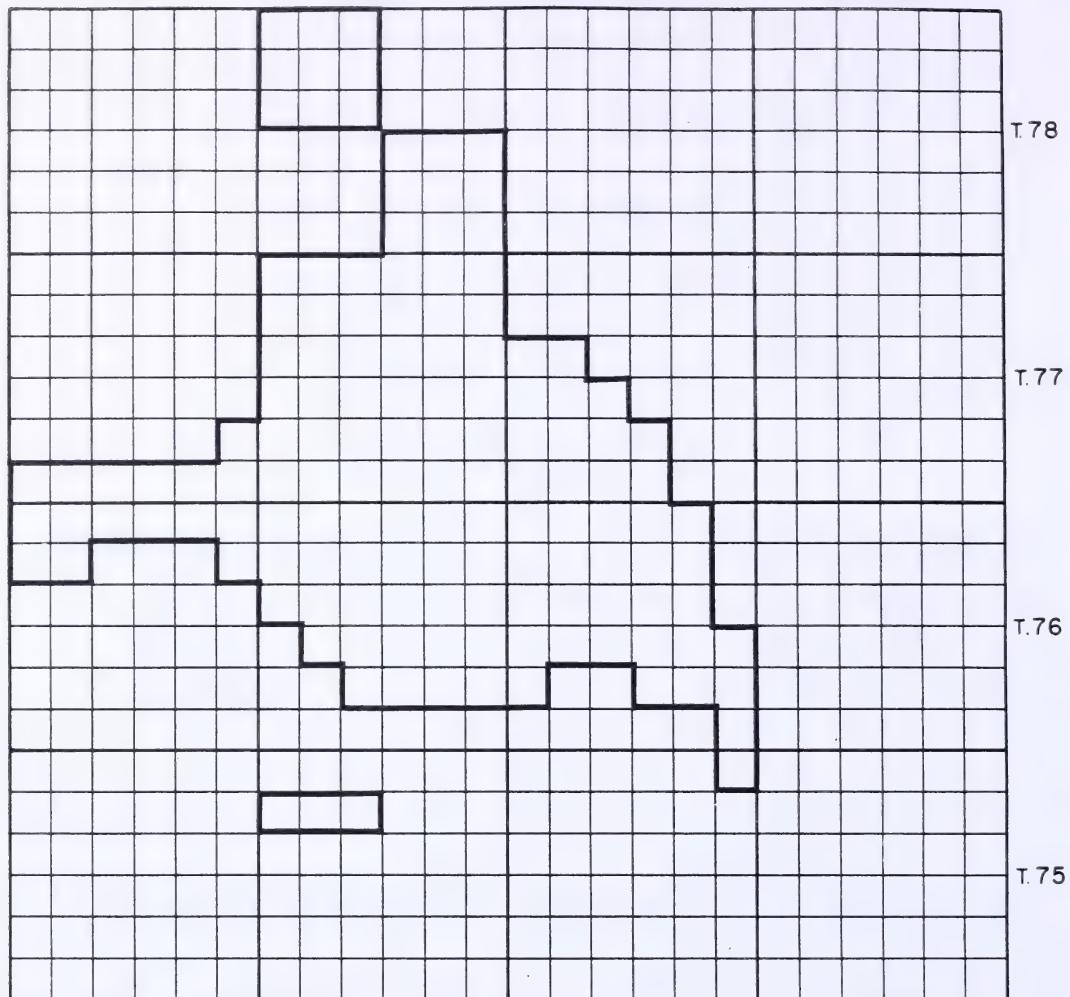
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.8

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R.5 W.4M.



LEISMER EAST GAS UNIT NO.1

INITIAL EFFECTIVE DATE - 1 MAY 1980

UNIT OPERATOR - HOME OIL COMPANY LIMITED

ERCB

LITTLE BOW UPPER MANNVILLE "I" UNIT

Located in the Little Bow Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 October 1984

Participation Revised - 1 September 1989

*Unitized Zone - Upper Mannville I Formation

*Unitized Substance - Oil, solution gas, and gas cap gas

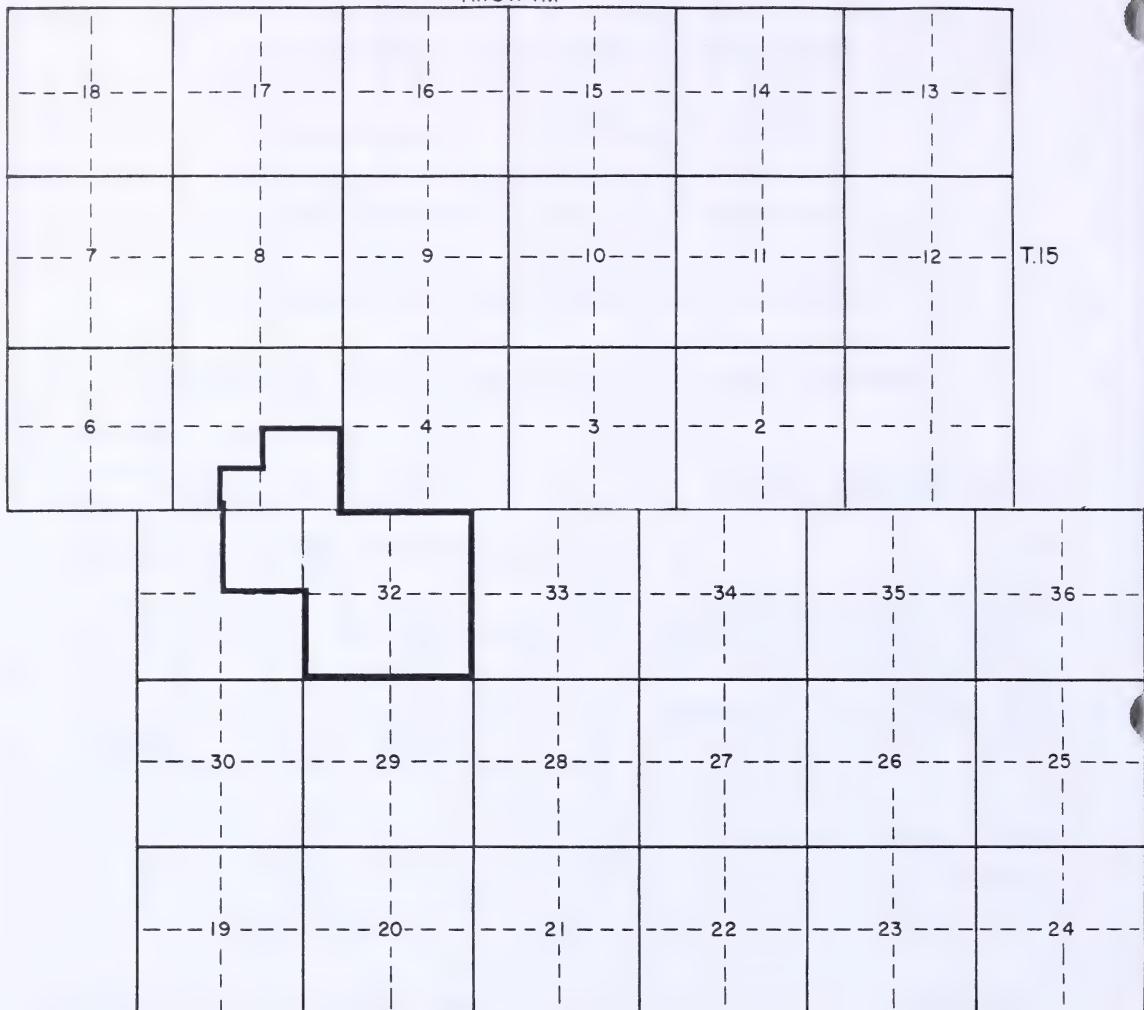
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Oil & Solution Gas</u>	<u>Gas Cap Gas</u>
Amoco Canada Resources Ltd.	35.00294	0.05612
Benedum-Trees Oil Company	2.55301	4.99298
Canadian Natural Resources Limited	2.12750	4.16082
Esso Resources Canada	23.18609	86.57314
Esso Resources Canada Limited	35.00295	0.05612
Peregrine Petroleum Ltd.	2.12751	4.16082
	<u>100.00000</u>	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.18W4M



LITTLE BOW UPPER MANNVILLE "I" UNIT

INITIAL EFFECTIVE DATE - 1 OCTOBER 1984

UNIT OPERATOR- ESSO RESOURCES CANADA LIMITED

ERCB

LOBSTICK CARDIUM UNIT

Located in the Pembina Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 December 1963

Participation Revised - 1 April 1988

* Unitized Zone - Cardium Formation

* Unitized Substance - Petroleum, natural gas & other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	49.04658
BP Resources Canada Limited	1.78371
Canadian Occidental Petroleum Ltd.	13.06025
Canadian Superior Oil Ltd.	2.41619
Dekalb Exploration Inc.	0.77550
Esso Resources Canada Limited	2.41620
Hudson's Bay Oil and Gas Company Limited	2.30539
Mobil Oil Canada, Ltd.	0.33574
Musketeer Energy Ltd.	1.43497
NCE Oil and Gas (87-1) Ltd.	0.47832
Norcen Energy Resources Limited	0.46109
Petro-Canada Inc.	10.01529
Texaco Canada Resources	9.53736
Union Pacific Resources Inc.	3.58314
Wintershall Oil of Canada Ltd.	2.35027
	<hr/>
	100.00000

* For a complete definition of unitized zones and substances see Unit Documents.

(For Area - See Reverse Side)

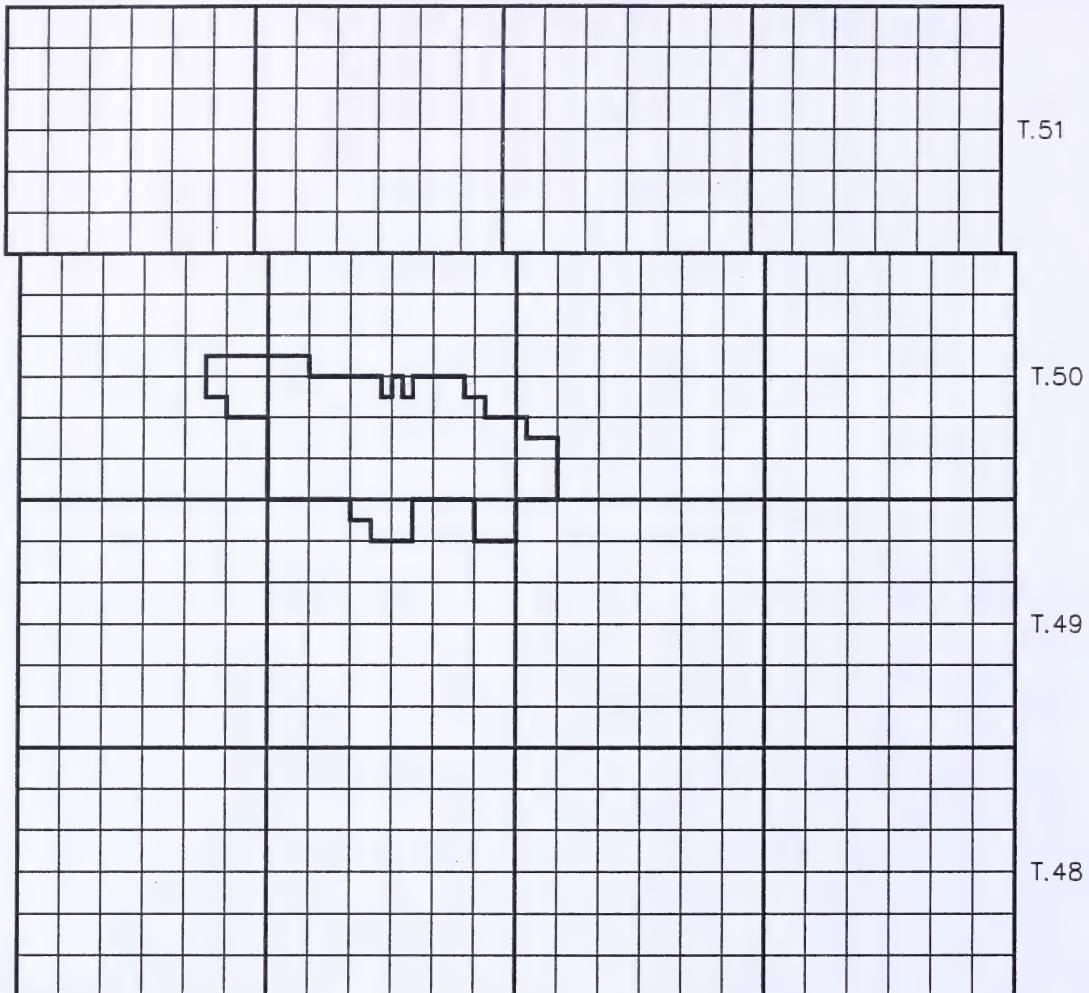
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R.5 W.5M.



LOBSTICK CARDIUM UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 DECEMBER 1963

UNIT OPERATOR-AMOCO CANADA PETROLEUM COMPANY LTD

MALMO D-3B GAS UNIT

Located in the Malmo Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 March 1977

Participation Revised - 1 August 1989

*Unitized Zone - Leduc Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bow Valley Industries Ltd.	21.347380
Esso Resources Canada	7.960130
Gulf Canada Resources Limited	37.149570
Mark Resources Inc.	4.158740
Norcen Energy Resources Limited	0.842660
Petro-Canada Inc.	7.960130
John H. Rathwell	0.693130
RTEC One Resources Inc.	19.195130
John A. Tessari	0.693130
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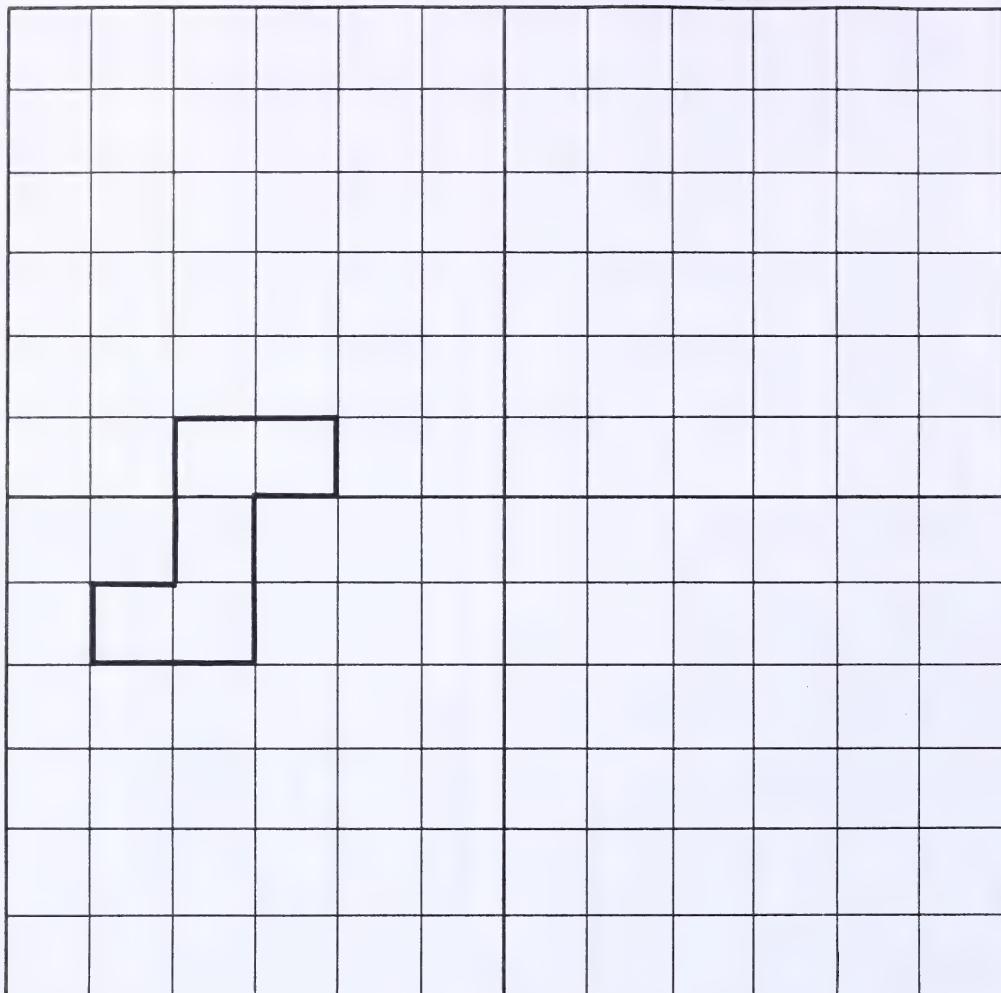
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.22

R21W.4M.



MALMO D-3B GAS UNIT

INITIAL EFFECTIVE DATE - 1 MARCH 1977

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

ERCB

MAPLE GLEN GAS UNIT

Located in the Provost Field

Unit Operator - Wainoco Oil Corporation

Initial Effective Date - 16 March 1976

Participation Revised - 1 July 1989

*Unitized Zone - Basal Belly River Sandstone & Viking Sandstone

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Roxy Petroleum Ltd.	10.670464
Columbia Gas Development of Canada Limited	0.066389
Conwest Petroleum Corporation	0.453104
DCP Canada Inc.	0.422457
Dome Petroleum Limited	3.586043
Faraday Resources Inc.	1.812426
Gardiner Oil and Gas Limited	2.265530
Gulf Canada Resources Limited	4.658191
Hudson's Bay Oil and Gas Company Limited	6.275750
Janus Properties Ltd.	2.265530
Meyers-Lasher, Inc.	2.265530
Mobil Oil Canada	1.954675
Norcen Energy Resources Limited	0.485061
Pacific Enterprises Oil Company (Netherlands)	0.345112
PanCanadian Petroleum Limited	9.691738
Ranchmen's Resources Ltd.	10.670464
Universal Explorations Ltd.	0.690222
Voyager Energy Inc.	0.257694
Wainoco Oil Corporation	41.163620
	<u>100.000000</u>

*For a complete definition of unitized zones and substances
see Unit Documents.

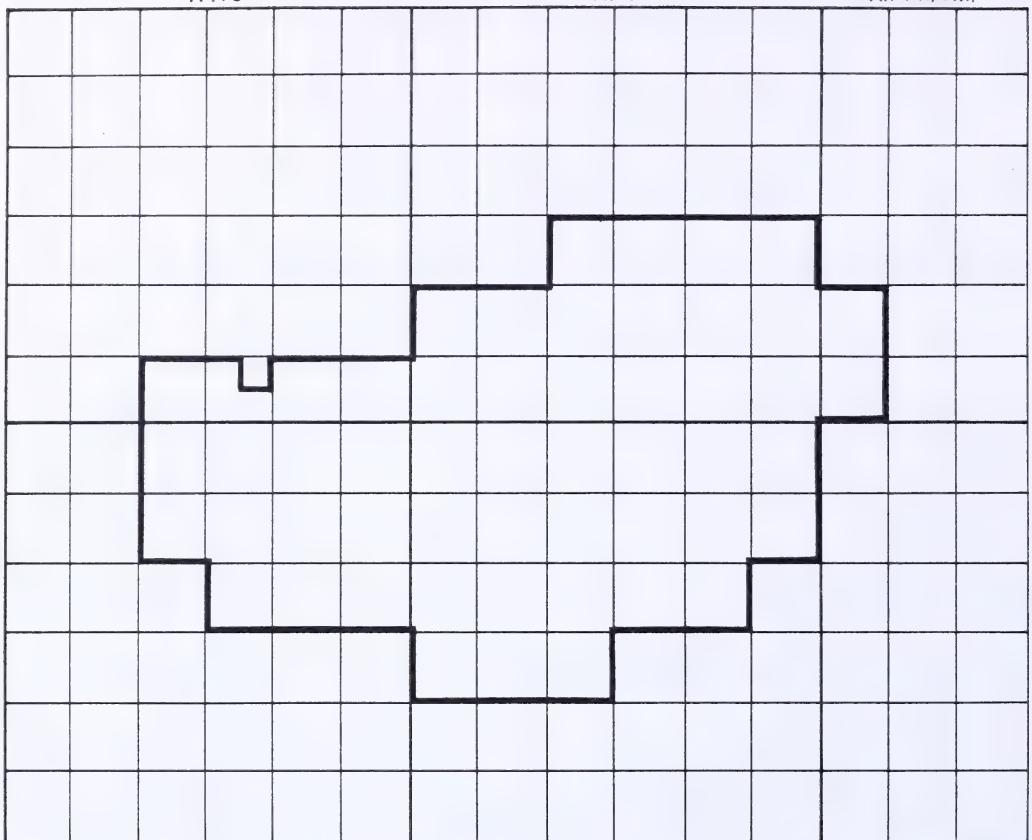
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.16

R.15

R.14W.4M.



MAPLE GLEN GAS UNIT



INITIAL EFFECTIVE DATE — 16 MARCH 1976

UNIT OPERATOR — WAINOCO OIL CORPORATION

MARKERVILLE GAS UNIT NO. 1

Located in the Markerville Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 May 1982

Participation Revised - 1 September 1989

*Unitized Zone - Pekisko Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	67.11662
Amoco Canada Resources Ltd.	2.55414
Canada Northwest Energy Limited	2.21540
Canpar Holdings Ltd.	4.03028
Central Explorers Inc.	0.24913
Czar Resources Ltd.	0.33196
Esso Resources Canada Limited	2.75822
Ghost River Resources Ltd.	2.32285
Northern Development Company Limited	0.02901
Orbit Oil & Gas Ltd.	5.87275
PanCanadian Petroleum Limited	1.41777
Petrorep (Canada) Ltd.	0.02176
Sceptre Resources Limited	0.15622
Sienna Resources Limited.	0.87748
Solstead Farms Ltd.	2.94225
Unocal Canada Limited	6.35676
Wilderness Energy Limited	0.74740
	<u>100.00000</u>

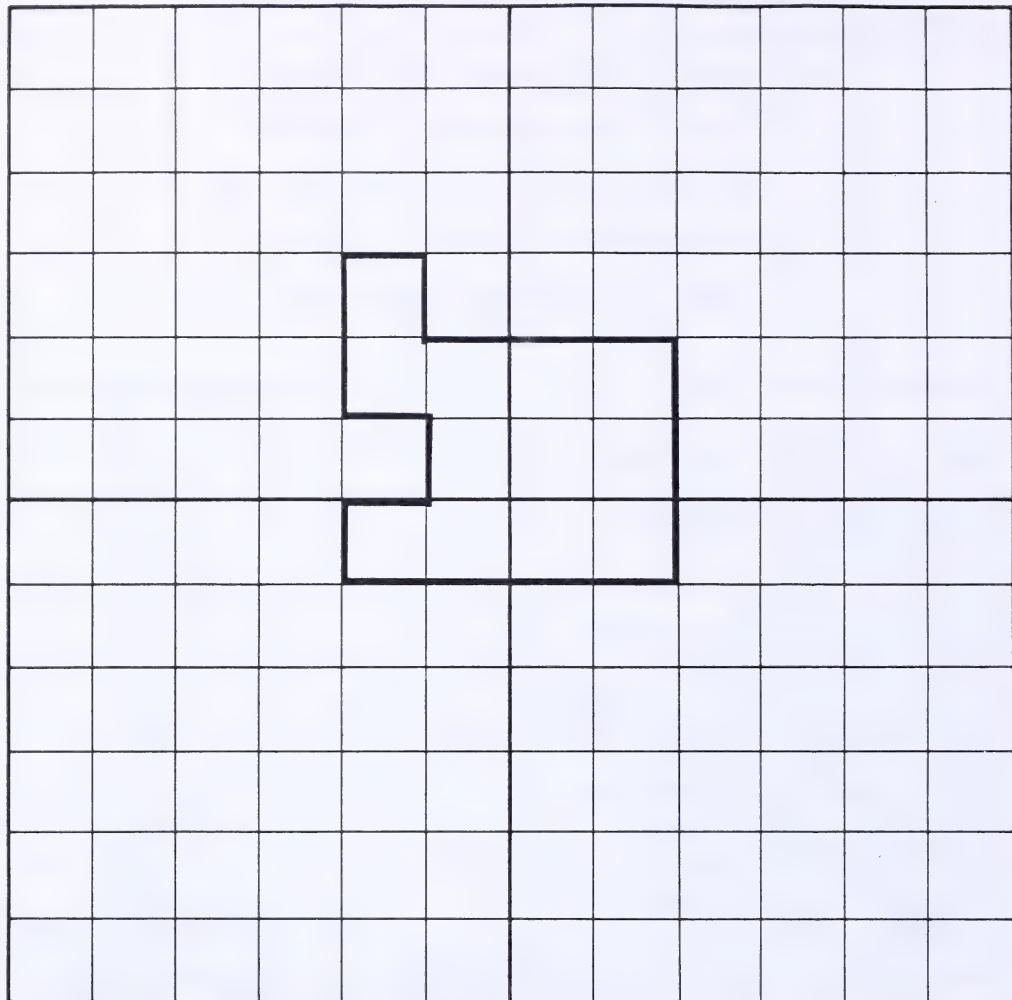
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.3

R.2 W.5M.



MARKERVILLE GAS UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 MAY 1982

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

MAZEPPA CROSSFIELD UNIT NO. 1

Located in the Okotoks Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 August 1986

Participation Revised - 1 August 1989

*Unitized Zone - Crossfield Member

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Adeco Drilling and Engineering Co. Ltd.	0.697564
Amerada Minerals Corporation of Canada Ltd.	18.961309
American Eagle Petroleum Ltd.	0.904763
Canadian Occidental Petroleum Ltd.	50.798514
Canpar Holdings Ltd.	0.195636
Dome Petroleum Limited	2.111676
Eagle Resources Ltd.	1.055557
Enerplus Resources Corporation	0.452382
J. M. Huber Corporation	18.809630
Passburg Petroleum Ltd.	5.560587
Venwest Resources Limited	0.452382
	<u>100.000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R 29

R 28

R 27

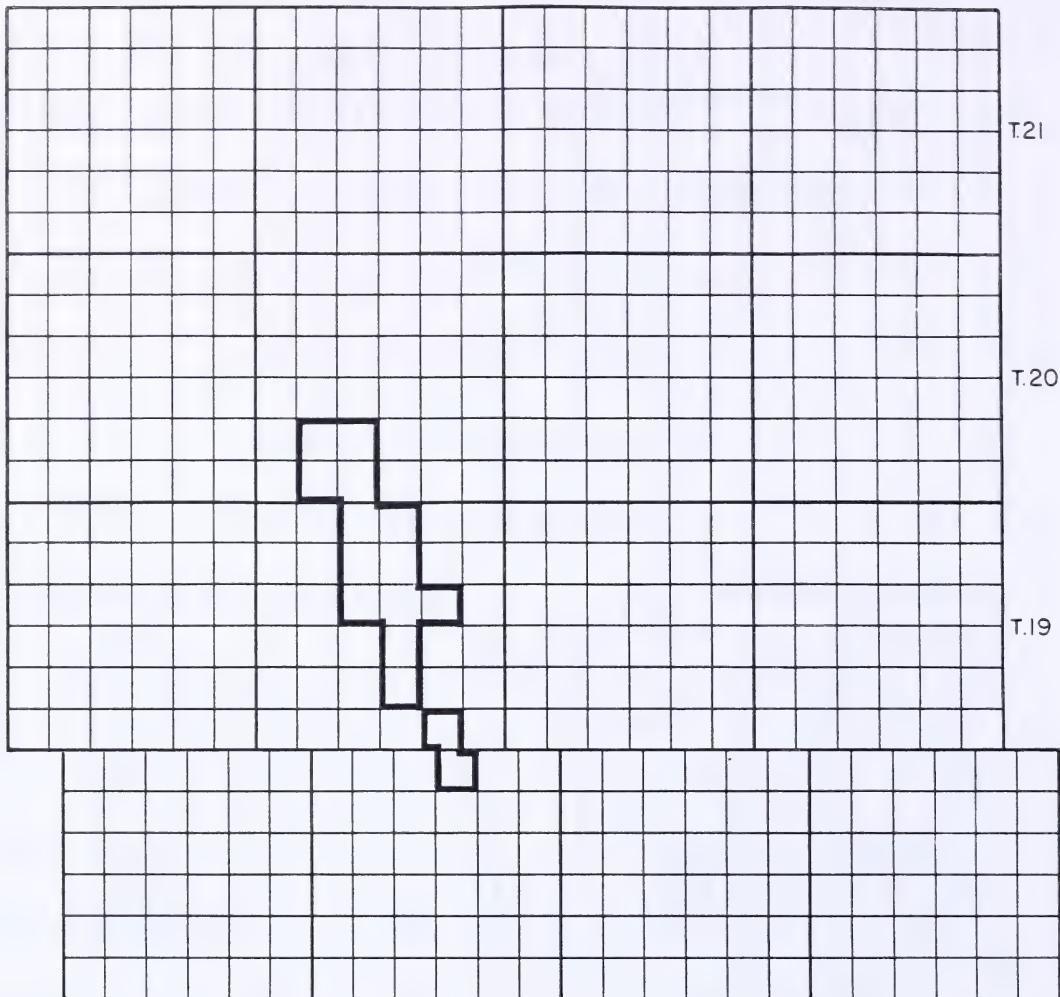
R26W4 M

T.21

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MAZEPPA CROSSFIELD UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 AUGUST 1986

UNIT OPERATOR- CANADIAN OCCIDENTAL PETROLEUM LTD.

MEDICINE HAT HILDA GAS UNIT

Located in the Medicine Hat Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 June 1974

Participation Revised - 1 July 1989

*Unitized Zone - Milk River & Medicine Hat

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	29.26713
Canadian Oil & Gas Fund Ltd.	4.73864
Petro-Canada Inc.	47.71662
Ranchmen's Resources (1976) Ltd.	13.53897
Wrangler Resources Ltd.	4.73864
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

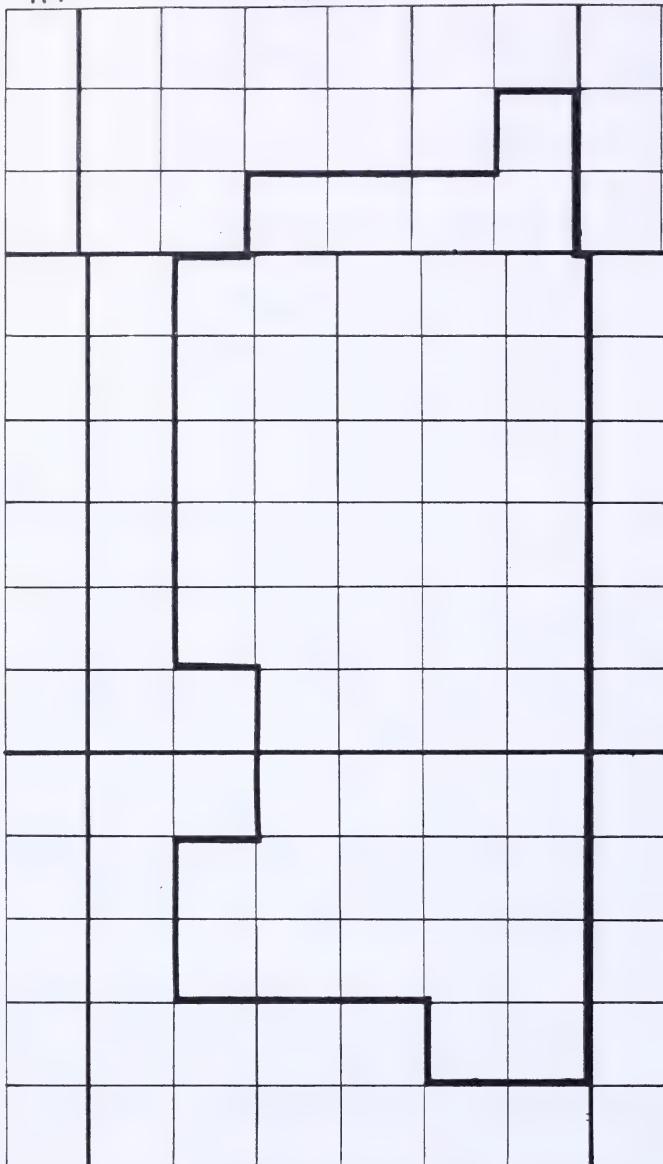
(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R4

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MEDICINE HAT HILDA GAS UNIT

INITIAL EFFECTIVE DATE — JUNE 1, 1974

UNIT OPERATOR - PETRO-CANADA INC.

MEDICINE HAT MH "D" GAS UNIT

Located in the Medicine Hat Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 July 1980

Participation Revised - 1 July 1989

*Unitized Zone - Medicine Hat "D" Pool

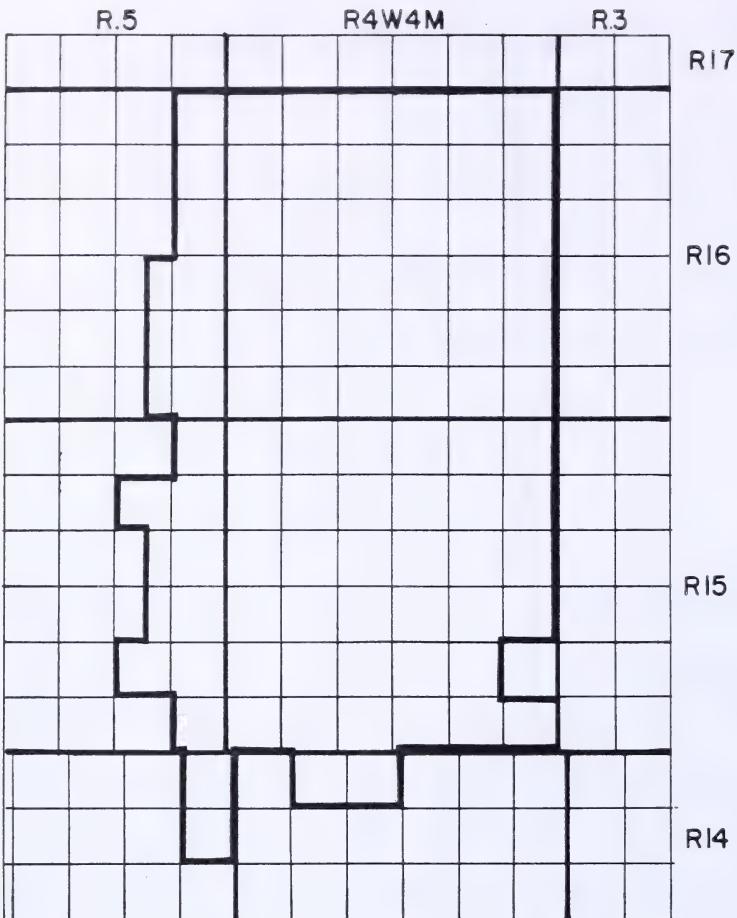
*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	21.33087
Barlow Development Ltd.	1.60012
Conventures Limited .	0.19309
Enerplus Resources Corporation	0.36644
Esso Resources Canada Limited	12.24977
Exchange Resources Ltd.	1.13347
Gardiner Oil and Gas Limited	1.80787
Herbert T. Hargrave	0.46768
Imperial Metals Corporation	0.12215
Jethro Development Ltd.	0.80006
Kenesen Resources Ltd.	1.13347
Lincoln-McKay Development Company Ltd.	0.80006
North Canadian Oils Limited	9.06779
PanCanadian Petroleum Limited	0.46768
Petro-Canada Inc.	30.00689
Redcliff Premier Natural Gas Limited	1.60012
Trans-Canada Resources Ltd.	0.04827
Trans World Oil & Gas Ltd.	16.27083
Uni-Gas Resources Limited	0.53337
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Document

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



MEDICINE HAT MH "D" GAS UNIT

UNIT OPERATOR — PETRO-CANADA INC.

INITIAL EFFECTIVE DATE — 1 JULY, 1980

MEDICINE HAT MILK RIVER GAS UNIT NO. 1

Located in the Medicine Hat Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 November 1975

Participation Revised - 1 July 1989

*Unitized Zone - Milk River Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	22.6233
Enerplus Resources Corporation	0.3941
Esso Resources Canada Limited	34.0518
Herbert T. Hargrave	0.5254
Imperial Metals Corporation	0.1313
Petro-Canada Inc.	41.7487
Success Oil Limited	0.4203
Synerg Energy Ltd.	0.1051
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.6

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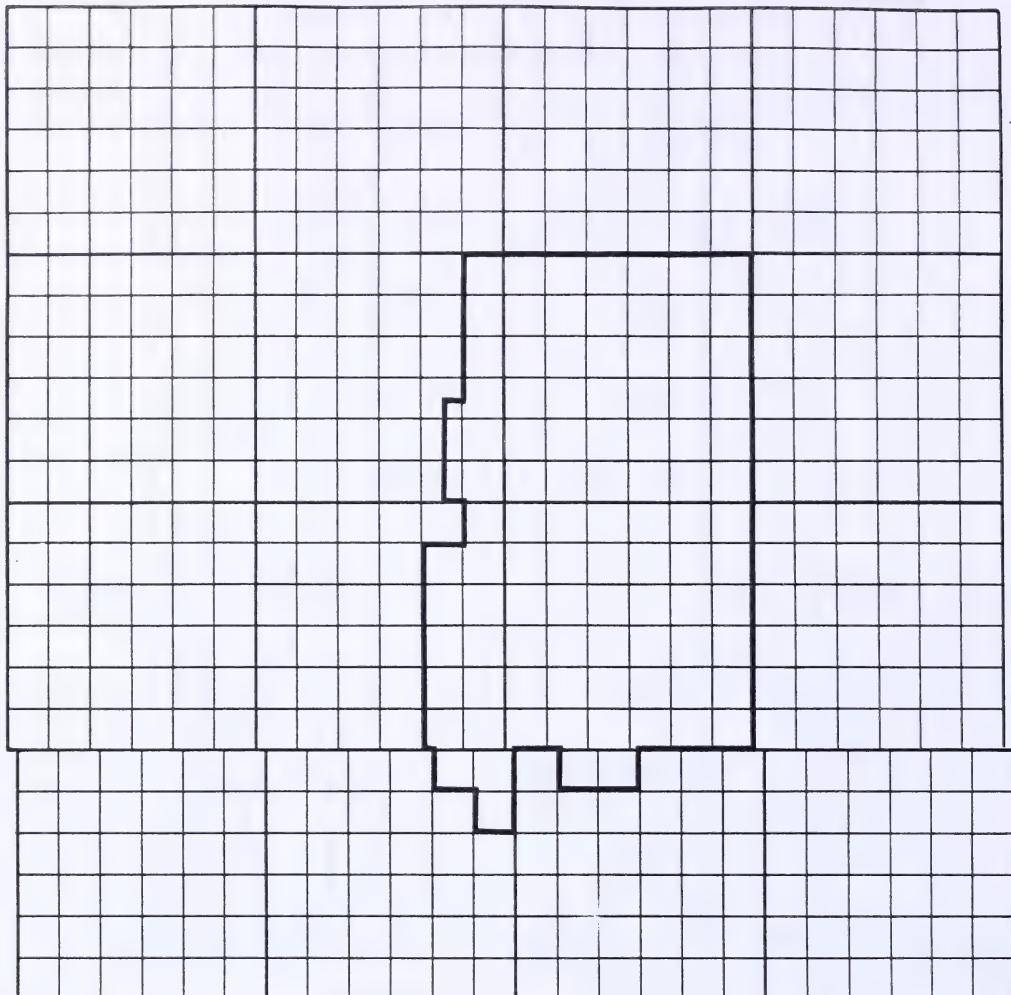
R.3 W4M

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MEDICINE HAT MILK RIVER GAS UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1975

UNIT OPERATOR - PETRO-CANADA INC.

MEDICINE RIVER UNIT NO. 4

Located in the Medicine River Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 April 1987

Participation Revised - 1 September 1989

*Unitized Zone - Ostracod Formation

*Unitized Substance - Petroleum, natural gas, other hydrocarbons (except coal), raw gas, and condensate

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	0.551496
Amoco Canada Petroleum Company Ltd.	2.062847
Amoco Canada Resources Ltd.	2.207942
ATCOR Ltd.	7.166206
Barnwell of Canada Limited	3.084804
Bow Valley Industries Ltd.	0.164741
Bowtex Energy Ltd.	0.087706
Canadian Roxy Petroleum Ltd.	0.916721
Candor Investments Ltd.	0.656093
Caroline Petroleum (1985) Ltd.	0.312631
Centipede Holdings Ltd.	1.453460
Chevron Canada Resources	3.427217
Cheyenne Petroleum Corporation	3.234774
Cooperative Energy Development Corporation	3.819450
Copetrex Oil & Gas Co. Ltd. (Sixth Program)	0.217953
Copetrex Oil & Gas Co. Ltd. (Seventh Program)	0.217952
Czar Resources Ltd.	0.363367
Enerplus Resources Corporation	3.954224
EMB Management Consultants Ltd.	0.013959
Glenex Industries Inc.	3.024108
Grandex Energy Ltd.	0.019119
Gulf Canada Resources Limited	1.525584
Hartwell Management Ltd.	0.032749
Harvard International Resources Ltd.	0.365729
HXC Corporation	0.247111
InterKann Gas Ltd.	0.413751
Kerr-McGee Corporation	3.054025
Lario Oil & Gas Company	2.672782
Leddy Exploration Limited	0.444470
Mobil Oil Canada	5.275976
Robert L. McNamara Leaseholds Ltd.	0.038129

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
R W Mitten Enterprises Ltd.	0.937893
Oakwood Petroleum Ltd.	1.857925
Orbit Oil & Gas Ltd.	0.456184
The Paddon Hughes Development Co. Ltd.	6.591820
PanCanadian Petroleum Limited	1.306314
Pembina Resources Limited	13.079223
Petro-Canada Inc.	0.272910
Prairie Oil Royalties Company, Ltd.	1.872400
Que West Resources Ltd.	0.027919
Royal Trust Energy Resources II Corporation	1.782297
Sabre Energy Ltd.	1.337357
Sceptre Resources Limited	6.539612
Seapoint Holdings Ltd.	0.457162
Sylvan Lake Gas Unit No. 2 as represented by the Sylvan Lake Gas Unit No. 2 Operator	11.201042
Thornton Petrophysical Interpretations Ltd.	0.075227
Treasure Oil Exploration Ltd.	0.037613
Universal Explorations Ltd.	0.758665
WWC Ventures Ltd.	0.381361
	<u>100.000000</u>

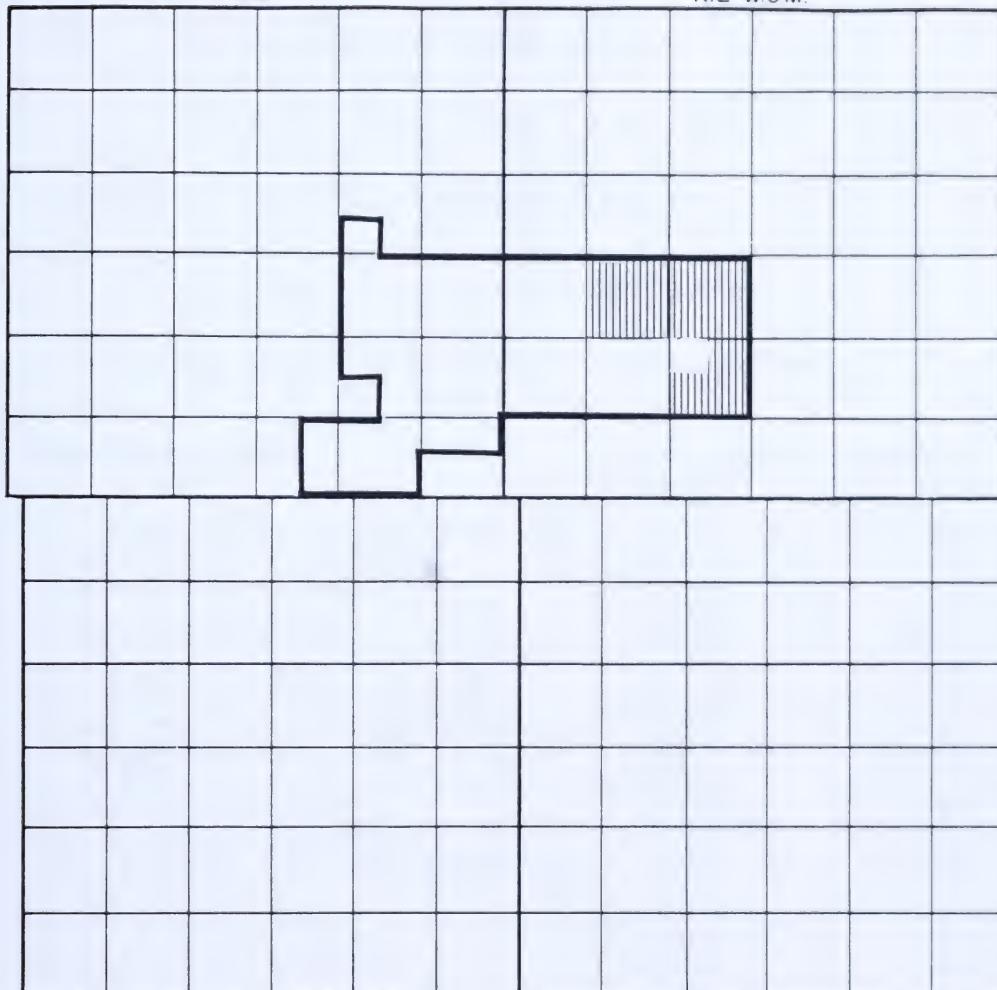
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.3

R.2 W5M.



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MEDICINE RIVER UNIT NO.4

ERCB

INITIAL EFFECTIVE DATE-1 APRIL 1987

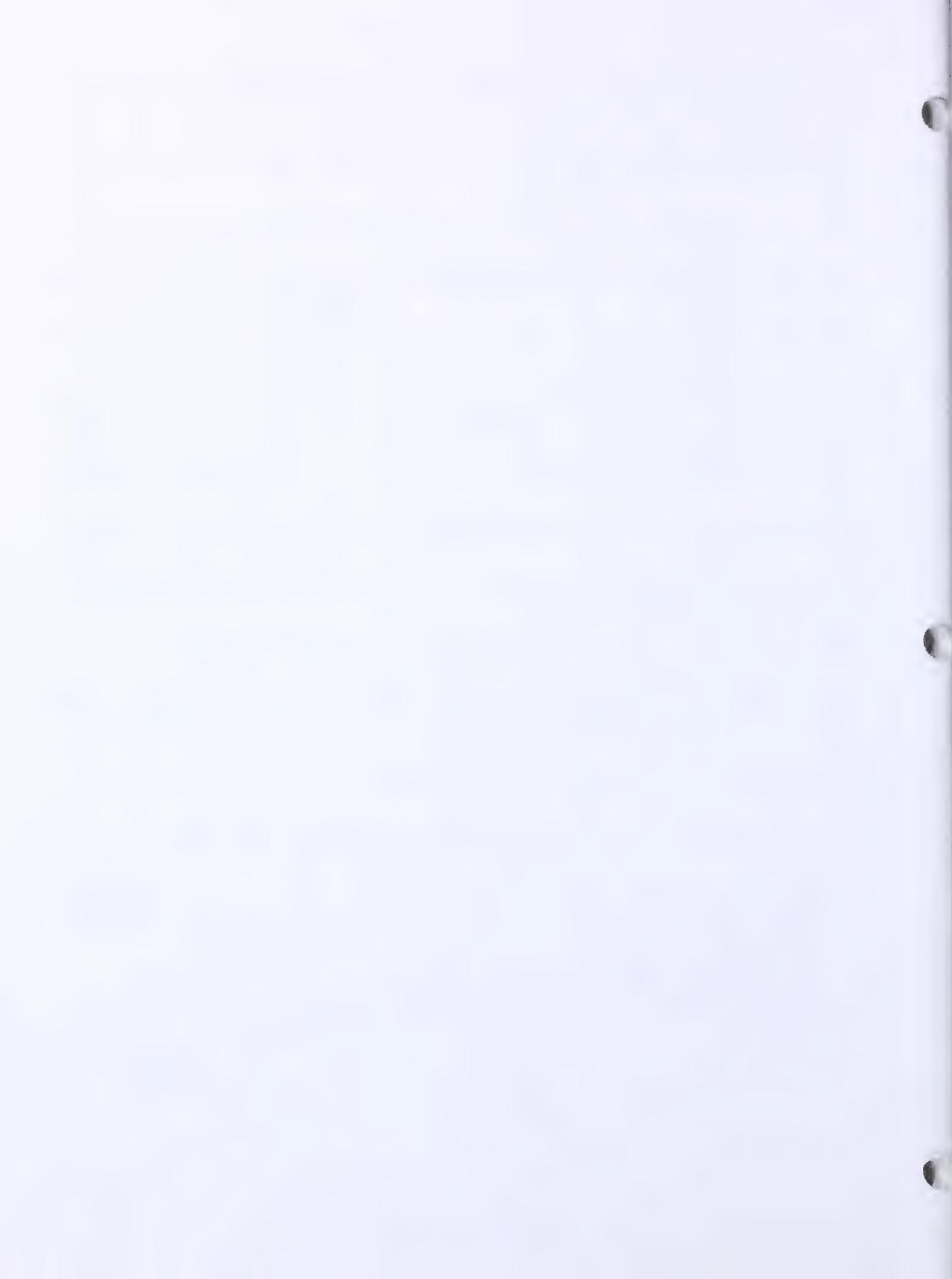
UNIT OPERATOR- PEMBINA RESOURCES LIMITED

UNITIZED SUBSTANCE: PETROLEUM, NATURAL GAS AND
OTHER HYDROCARBONS (EXCEPT COAL)



RAW GAS AND CONDENSATE





MEDICINE RIVER VIKING "D" UNIT NO. 2

Located in the Medicine River Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 May 1987

Participation Revised - 1 June 1989

*Unitized Zone - Viking Formation

*Unitized Substance - Petroleum and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
	<u>Interim</u>
	<u>Final</u>
Adeco Drilling and Engineering Company Ltd.	2.01723
Amoco Canada Petroleum Company Ltd.	2.40120
Amoco Canada Resources Ltd.	8.36640
Atcor Ltd.	1.57414
BP Resources Canada Limited	0.81743
Barnwell of Canada Limited	3.13855
Blue Range Resources Limited	5.14648
C & T Resources (Canadian Jorex Limited)	5.09165
Caroline Petroleum (1985 Ltd.)	0.42452
Centipede Holdings Ltd.	0.23013
Chevron Canada Resources	0.54632
Cheyenne Petroleum Corporation	3.35129
Cooperative Energy Development Corporation	2.50183
Czar Resources Limited	1.99086
Dekalb Energy Canada Ltd.	0.13280
Encor Energy Corporation Ltd.	1.19520
Enerplus Resources Corporation	1.64234
Glenex Industries Inc.	0.48302
Gulf Canada Resources Limited	19.56238
Harvard International Resources Ltd.	0.62677
InterKann Gas Ltd.	0.56140
Inverness Petroleum Limited	0.04427
Kerr-McGee Corporation	1.51786
Lario Oil & Gas Company	3.90314
Lazy U Cattle Company	0.10851
Luscar Ltd.	1.35620
Maxus Energy Canada Ltd.	0.11185
Ross R. McKinnon	0.16276
Mobil Oil Canada	4.62745
R. W. Mitten Enterprises Ltd.	1.27353
Norcen Energy Resources Limited	1.35619
Paddon Hughes Development Company Limited	5.37099
PanCanadian Petroleum Limited	2.52090

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>	
	<u>Interim</u>	<u>Final</u>
Pembina Resources Limited	4.02315	3.08011
Pencor Petroleum Limited	0.02213	0.03540
Polarex Services (1982) Limited	0.16275	0.19030
Resman Holdings Limited	4.86310	4.37820
Royal Trust Energy Resources II Corporation	0.28533	0.20866
Sabre Energy Ltd.	2.35652	2.16405
Sceptre Resources Limited	0.66674	0.48713
Seapoint Holdings Limited	0.43405	0.50749
Suncor Inc.	2.72204	2.80757
Thornton Petrophysical Interpretations Ltd.	0.11257	0.09090
Treasure Oil Exploration Ltd.	0.04980	0.04545
Universal Explorations Ltd.	0.14623	0.10087
	<u>100.00000</u>	<u>100.00000</u>

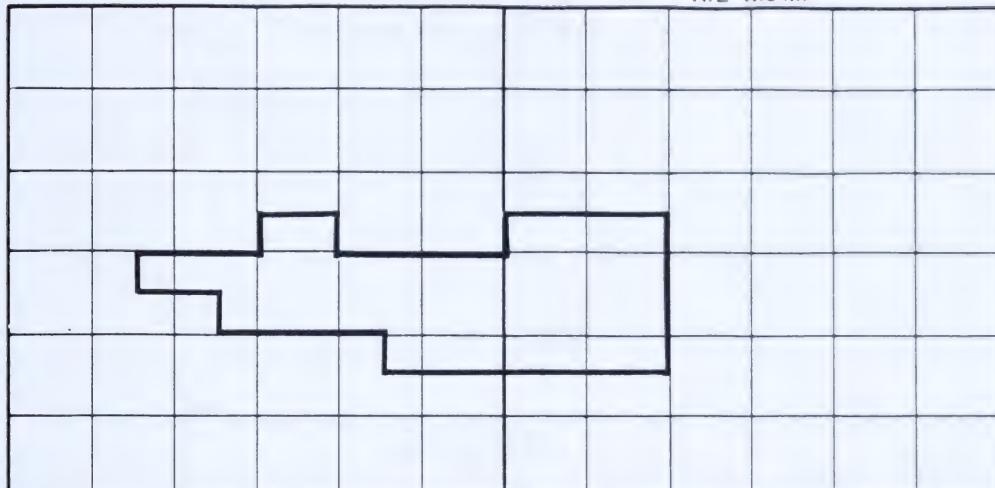
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

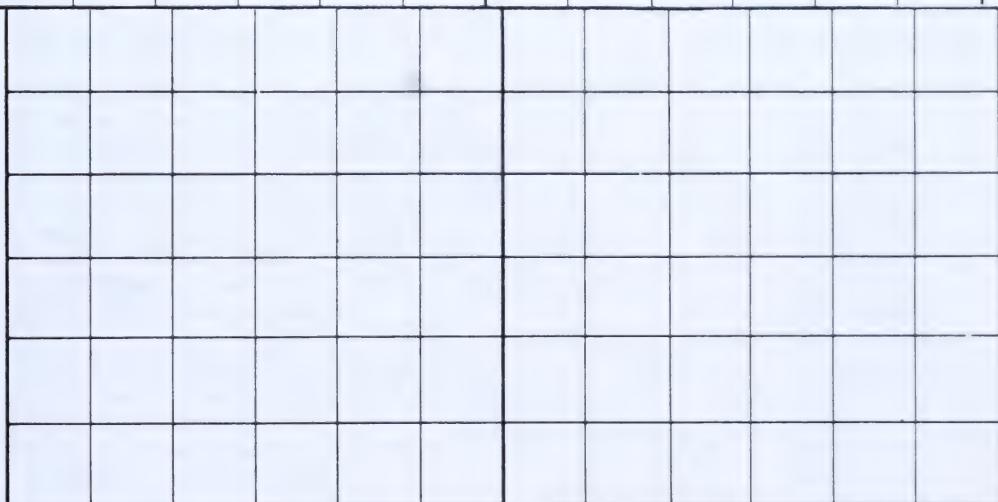
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.3

R.2 W.5 M.



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MEDICINE RIVER VIKING 'D' UNIT NO. 2

ERCB

INITIAL EFFECTIVE DATE - 1 MAY 1987

UNIT OPERATOR- GULF CANADA RESOURCES LIMITED



NIPISI GILWOOD UNIT NO. 1

Located in the Nipisi Field

Unit Operator - Amoco Canada Petroleum Company Ltd.

Initial Effective Date - 1 January 1969

Participation Revised - 1 September 1989

*Unitized Zone - Gilwood Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	15.0051312
Chevron Canada Resources Limited	15.0564692
Confederation Life Insurance Company	0.1693211
Conwest Exploration Company Limited	1.4513294
Conwest Petroleum Corporation	0.5609537
Denison Mines Limited	0.0215204
Discovery West Corp.	0.9162660
Esprit Resources Ltd.	0.0434832
Esso Resources Canada	13.3262112
Esso Resources Canada Limited	2.8375029
Gulf Canada Resources Limited	1.8603227
Hamilton Brothers Canadian Gas Company Ltd.	0.9351034
Mobil Oil Canada, Ltd.	8.2225592
Muirfield Petroleum Corporation	0.0065368
Murphy Oil Company Ltd.	0.0871575
Pacific Enterprises Oil Company	0.9162660
Pengrowth Energy Corporation	0.4112092
Pengrowth Petroleum Limited	0.8334312
Pengrowth Resource Corporation	0.1241994
Petro-Canada Inc.	14.3048335
Pioneer Energy Resources Limited	0.1221691
Royal Trust Corporation of Canada	9.1001009
Shell Canada Limited	11.9621710
Spruce Hills Production Company Inc.	0.0436309
Suncor Inc.	0.7456520
Total Petroleum (Canada) Ltd.	0.1307362
Unocal Canada Resources	0.1861618
282116 Alberta Inc.	0.6195709
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.10

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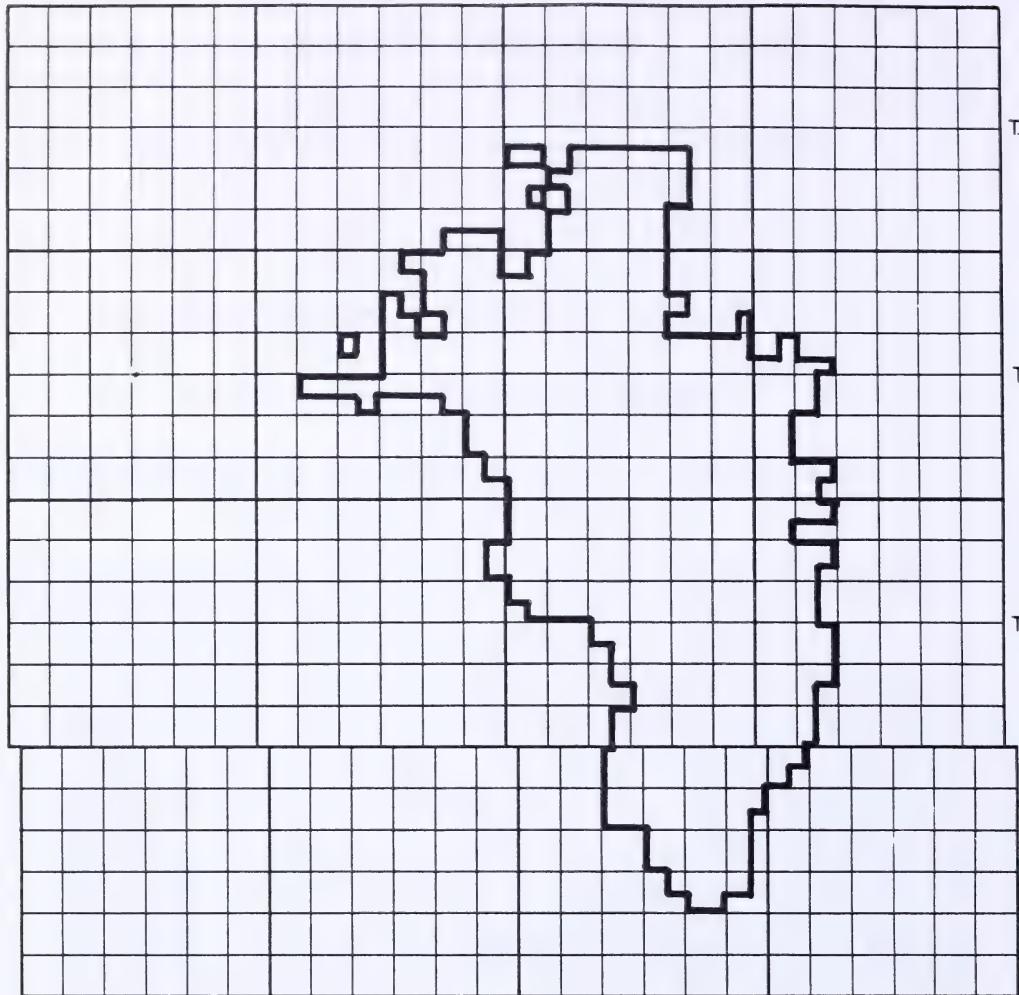
R.7 W5M

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NIPISI GILWOOD UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1969

UNIT OPERATOR - AMOCO CANADA PETROLEUM COMPANY LTD.

NITON UNIT

Located in the Niton Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 November 1978

Participation Revised - 1 August 1989

*Unitized Zone - Basal Quartz Sand

*Unitized Substance - Crude oil or gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Acquifund Resources Limited	7.29889075
Amoco Canada Petroleum Company Ltd.	6.68404600
Amoco Canada Resources Ltd.	21.38313300
Canadian Superior Oil Ltd.	1.59849100
Canterra Energy Ltd.	1.05185300
Columbia Gas Development of Canada Ltd.	0.14033700
Cooperative Energy Development Corporation	1.16916360
Corexcal, Inc.	0.65979300
DCP Canada Inc.	2.41002500
Denison Mines Limited	3.89640100
Esso Resources Canada Limited	25.96420300
Harvard International Resources Ltd.	0.54663800
Headco Exploration Co. Ltd.	5.26123620
Home Oil Company Limited	3.19698600
Lario Oil & Gas Company	5.26123620
Maxus Energy Canada, Ltd.	5.34208400
Mobil Oil Canada, Ltd.	5.01029000
NCE Oil & Gas (87-1) Ltd.	1.31076025
Petrorep (Canada) Ltd.	1.81443300
	<u>100.00000000</u>

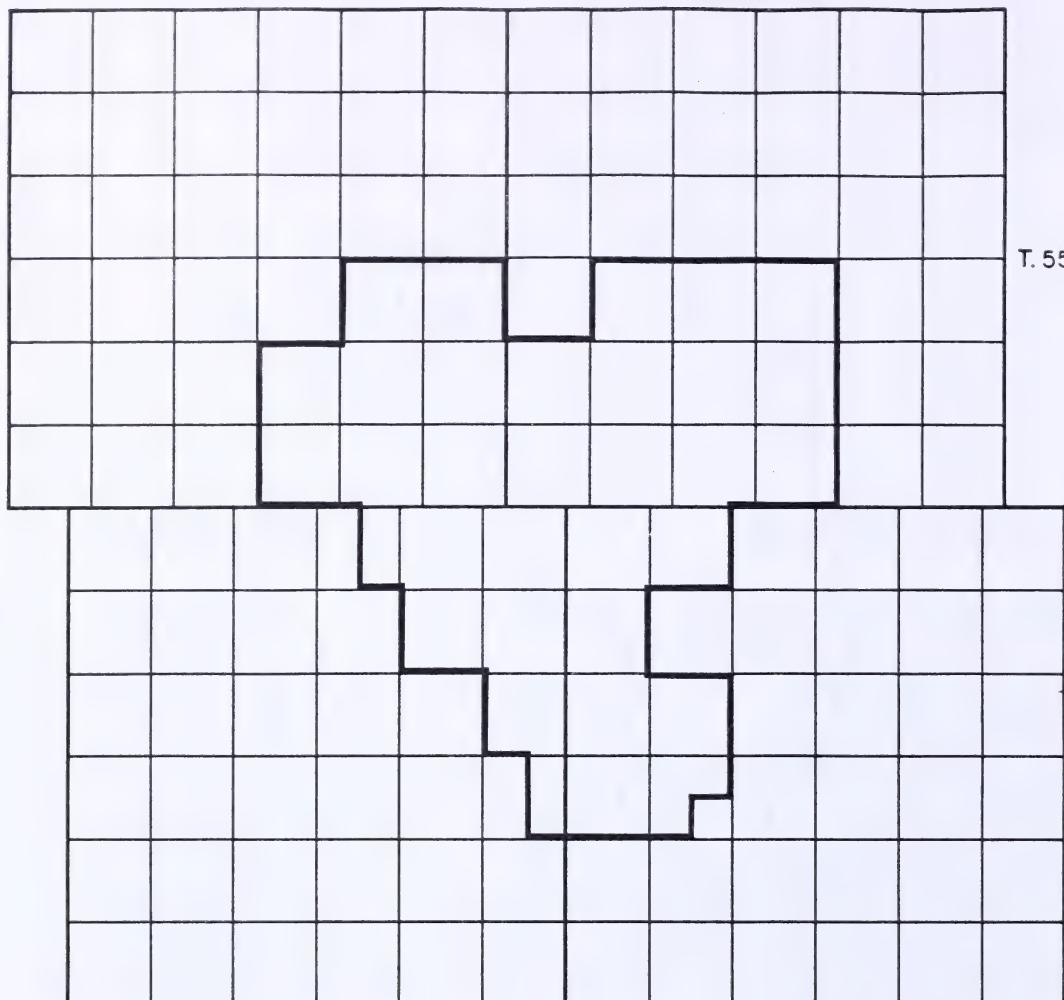
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.13

R.12 W.5 M.



NITON UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1978

UNIT OPERATOR - ESSO RESOURCES CANADA LIMITED

NORBUCK BASAL BELLY RIVER B POOL UNIT

Located in the Pembina Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 June 1967

Participation Revised - 1 June 1989

*Unitized Zone - Basal Belly River

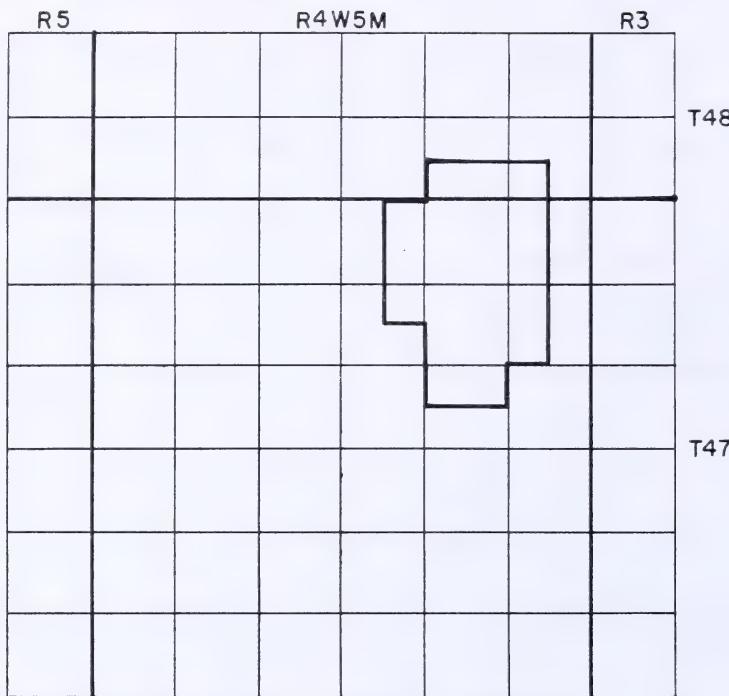
*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	16.6592850
Canadian Superior Oil Ltd.	41.6703575
Esso Resources Canada Limited	41.6703575
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



NORBUCK BASAL BELLY RIVER 'B' POOL UNIT

INITIAL EFFECTIVE DATE ————— 1 JUNE, 1967

UNIT OPERATOR — ESSO RESOURCES CANADA LIMITED

NORDEGG GAS UNIT NO. 1

Located in the Brazeau River Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 April 1970

Participation Revised - 1 June 1989

*Unitized Zone - Elkton, Turner Valley, Upper Shunda, and Lower Shunda

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Chevron Canada Resources	0.64930
Esso Resources Canada Limited	12.99350
Gulf Canada Resources Limited	37.07335
Harvard International Resources Ltd.	24.29125
Home Oil Company Limited	2.51960
Mobil Oil Canada	12.99350
Shell Canada Limited	6.60440
Total Petroleum Canada Ltd.	2.87510
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.14

R.13

R.12

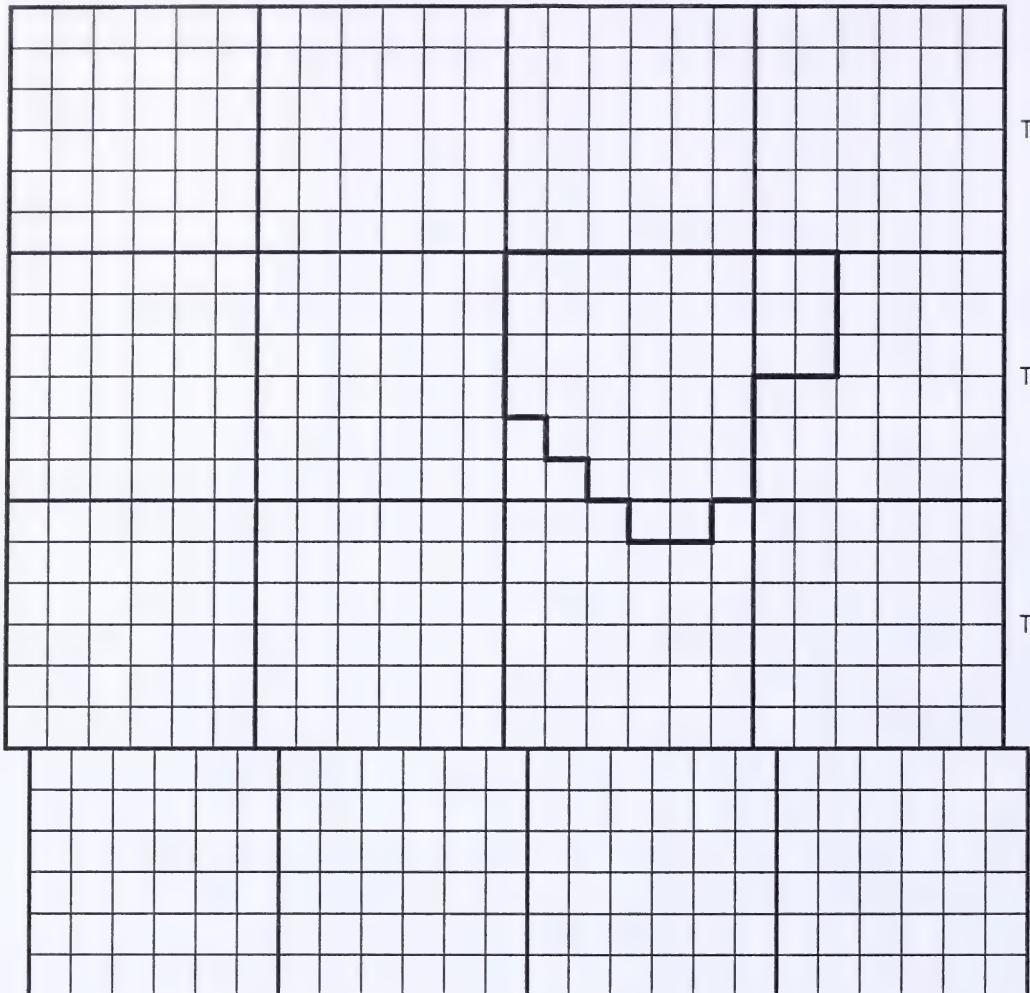
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NORDEGG GAS UNIT NO.1

INITIAL EFFECTIVE DATE- 1 APRIL 1970

UNIT OPERATOR-GULF CANADA RESOURCES LIMITED

ERCB

OYEN GAS UNIT NO. 3

Located in the Oyen Field

Unit Operator - American Trading and Production Corporation

Initial Effective Date - 1 October 1970

Participation Revised - 1 June 1989

*Unitized Zone - Viking Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Trading and Production Corporation	50.1793
Amoco Canada Resources Ltd.	7.8190
Comaplex Resources International Ltd.	7.6851
Esso Resources Canada Limited	14.9058
Gulf Canada Resources Limited	7.6851
Irving Industries (Foothills Steel Foundry Division) Ltd.	3.5426
Irving Industries (Irving Wire Products Division) Ltd.	7.0852
Scotia Oils Limited	<u>1.0979</u>
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 4

R.3 W.4M.

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T.29

A 10x10 grid of squares. A 3x3 block of squares in the center is shaded black. The rest of the grid is white.

OYEN GAS UNIT NO.3



INITIAL EFFECTIVE DATE - 1 OCTOBER 1970

UNIT OPERATOR- AMERICAN TRADING AND PRODUCTION CORPORATION

NORTH PADDLE RIVER GAS UNIT

Located in the Paddle River Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 March 1976

Participation Revised - 1 August 1989

*Unitized Zone - Nordegg - Pekisko Zone

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	86.4590
Gulf Canada Resources Limited	4.1730
Shell Canada Limited	9.3680
	<hr/>
	100.0000

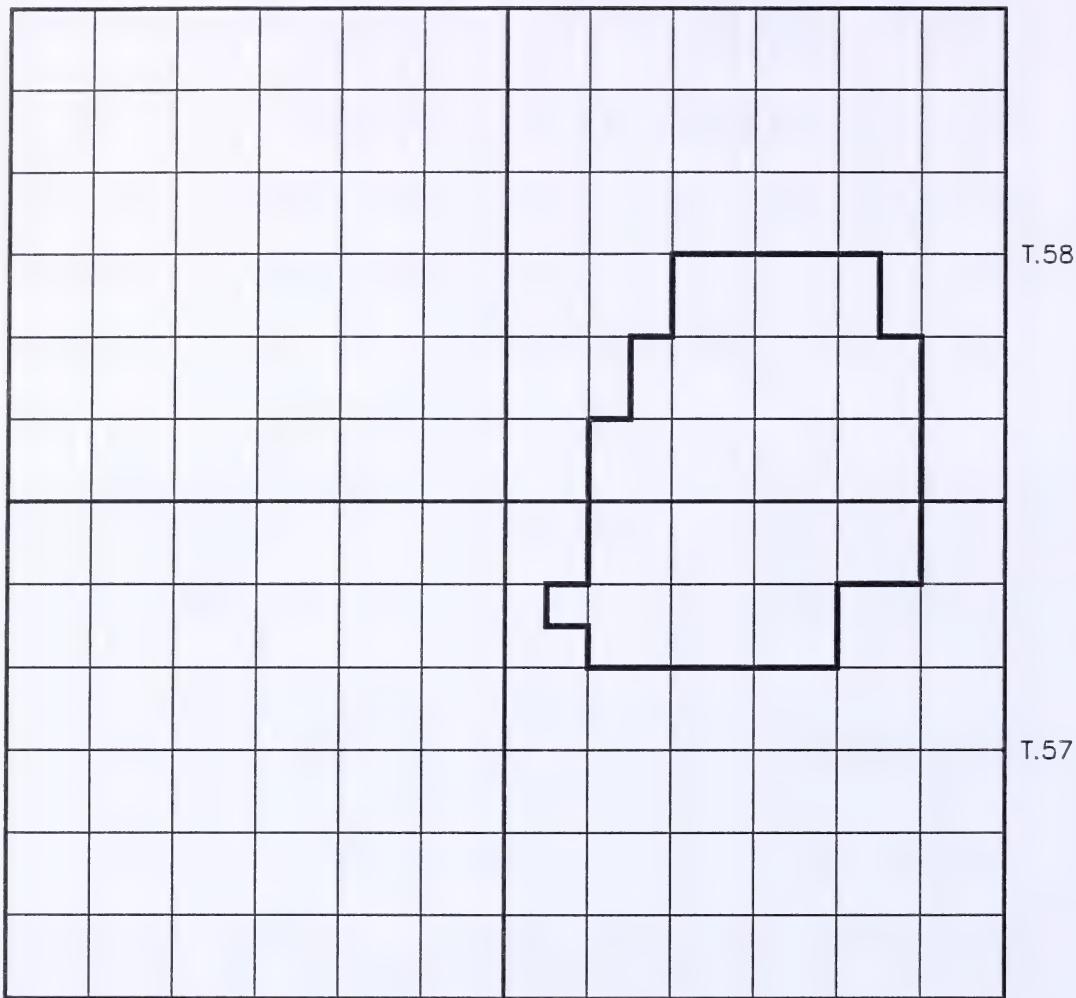
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.5M.



NORTH PADDLE RIVER GAS UNIT

INITIAL EFFECTIVE DATE- 1 MARCH 1976

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

PEMBINA BELLY RIVER "B" SOUTH UNIT

Located in the Pembina Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 August 1972

Participation Revised - 1 September 1989

*Unitized Zone - Belly River Formation

*Unitized Substance - Petroleum, natural gas and related hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum Ltd.	3.29548
Chevron Canada Resources	2.79439
Esso Resources Canada	20.93101
Fairhill Oil Limited	0.80250
J. M. Huber Corporation	14.26437
Kerr-McGee Corporation	18.68274
Norcen Energy Resources Limited	3.01298
Paloma Petroleum Ltd.	3.01297
Pembina Resources Limited	25.67594
Rulair Oil Ltd.	0.80249
Scurry-Rainbow Oil Limited	1.54889
Shell Canada Limited	2.32335
Southmark Aquisitions Canada Ltd.	2.85289
	<u>100.00000</u>

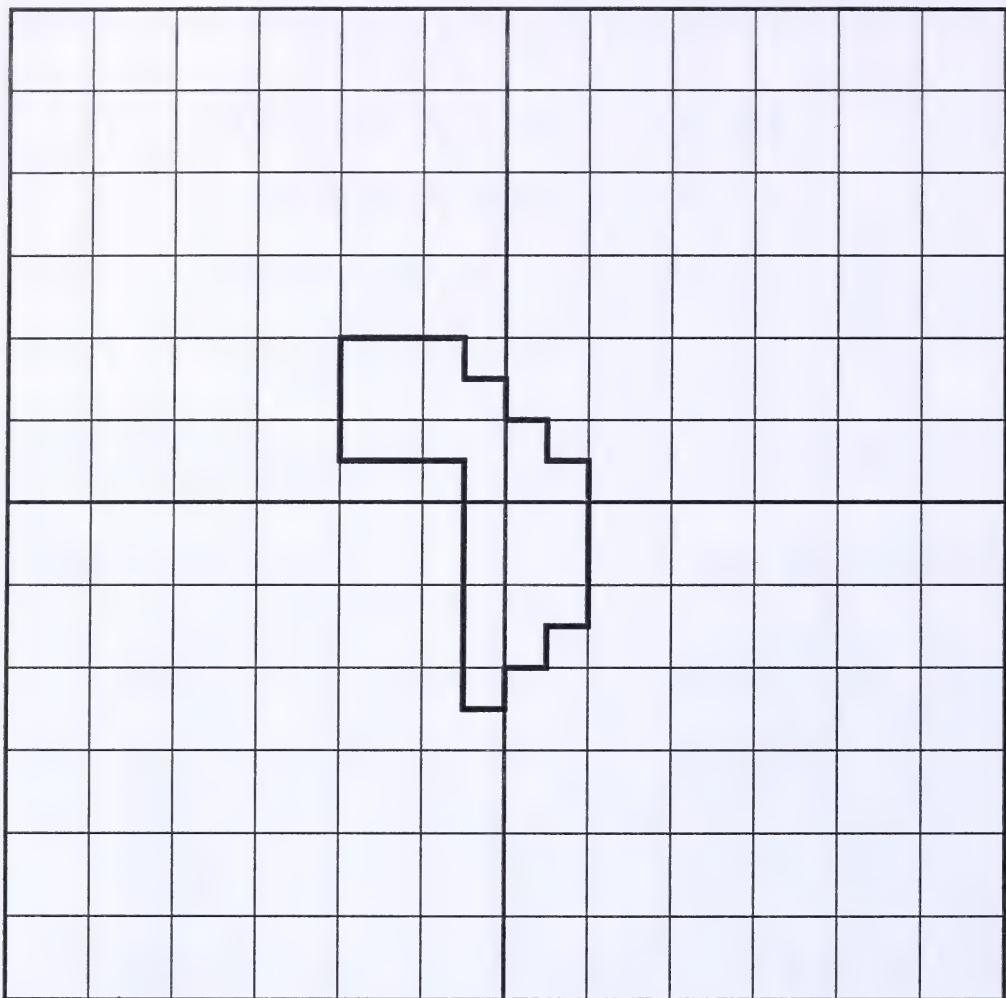
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.4

R.3 W.5M.



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T.47

PEMBINA BELLY RIVER B SOUTH UNIT

INITIAL EFFECTIVE DATE- 1 AUGUST 1972

UNIT OPERATOR- PEMBINA RESOURCES LIMITED

 ERCB

PEMBINA BELLY RIVER "X" UNIT

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 November 1978

Participation Revised - 1 July 1989

*Unitized Zone - Belly River Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Eagle Petroleum Ltd.	2.91943
Amoco Canada Resources Ltd.	72.98172
Atcor Ltd.	2.91944
Canadian Occidental Petroleum Ltd.	0.85865
J. M. Huber Corporation	5.08019
Pembina Resources Limited	9.14434
Southmark Acquisitions Canada Ltd.	1.01604
Texaco Canada Resources	5.08019
	<u>100.00000</u>

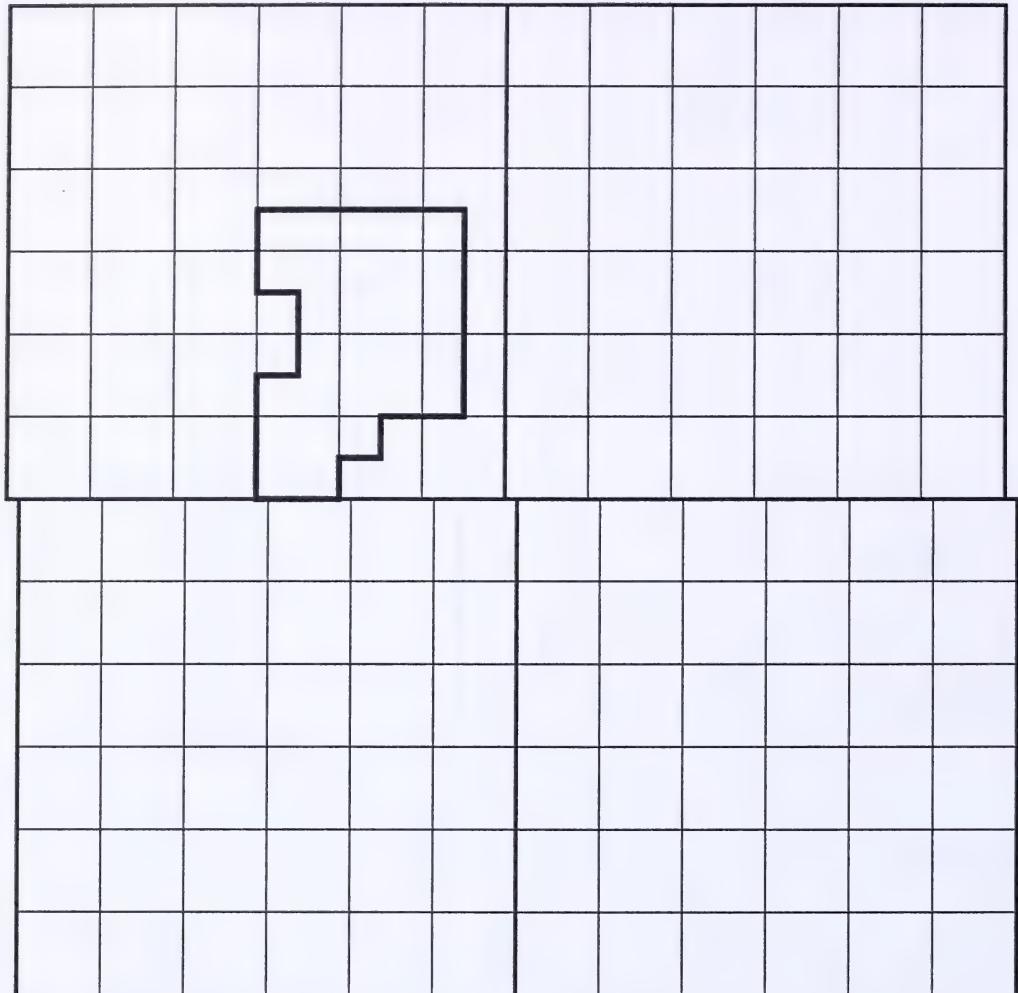
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.4

R.3 W.5M.



T.47

T.46

PEMBINA BELLY RIVER X UNIT

ERCB

INITIAL EFFECTIVE DATE- 1 NOVEMBER 1978

UNIT OPERATOR- AMOCO CANADA RESOURCES LTD.

PEMBINA BELLY RIVER "DDD" UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 March 1989

Participation Revised - 1 August 1989

*Unitized Zone - Belly River Formation

*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	29.0249
Dinas Corporation	0.4519
Encor Energy Corporation Inc.	10.4880
Esso Resources Canada	45.0048
Sceptre Resources Limited	7.5152
Westmin Resources Limited	<u>7.5152</u>
	100.0000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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T.49

PEMBINA BELLY RIVER DDD UNIT NO.1

 **ERCB**

INITIAL EFFECTIVE DATE- 1 MARCH 1989

UNIT OPERATOR-ESSO RESOURCES CANADA

NORTHWEST PEMBINA CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd..

Initial Effective Date - 1 August 1966

Participation Revised - 1 August 1989

*Unitization Zone - Cardium Formation

*Unitization Substance - Petroleum, natural gas and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canadian Occidental Petroleum	54.2510
Gulf Canada Limited	5.9460
Indra Oil & Gas Ltd.	0.1937
Petro-Canada Inc.	25.3543
Suncor Inc.	6.6180
Texaco Canada Resources	7.6370
	<u>100.0000</u>

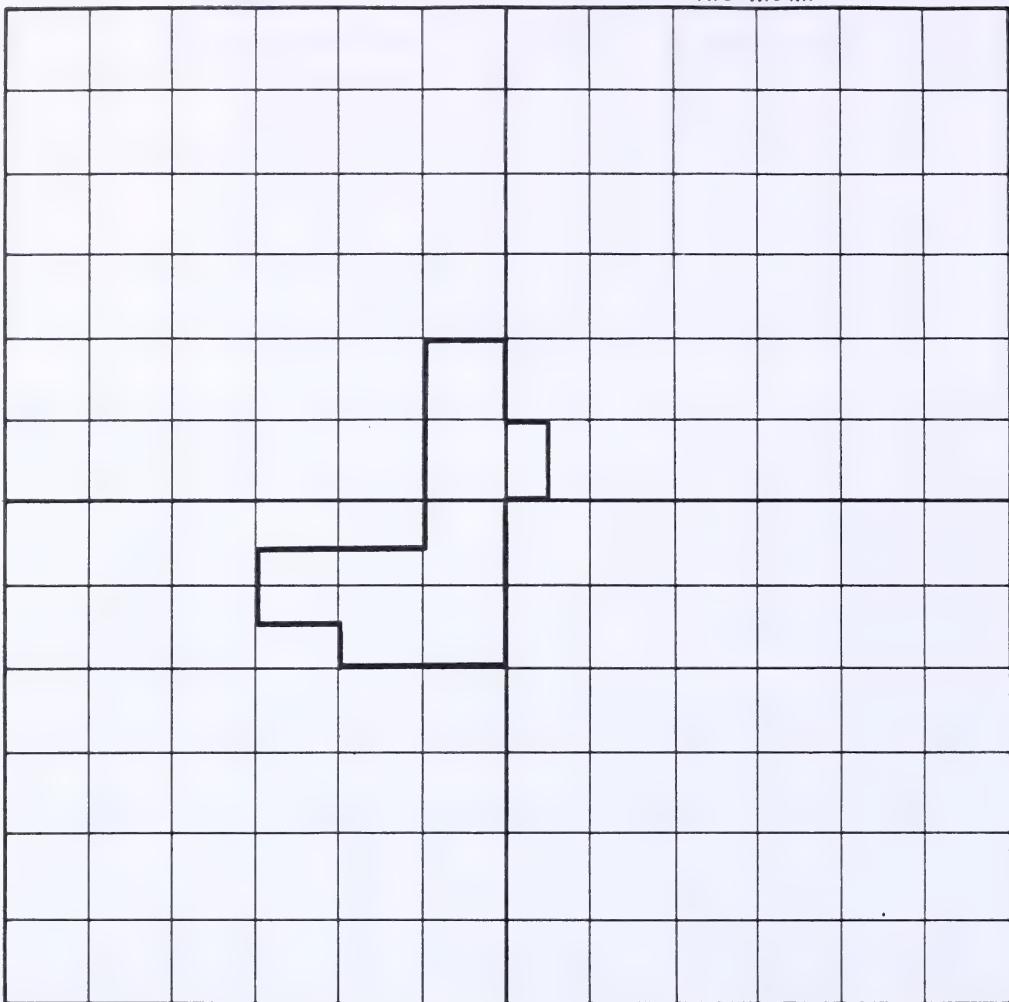
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.5 M.



NORTHWEST PEMBINA CARDIUM UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 AUGUST 1966

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD

PEMBINA CARDIUM UNIT NO. 11

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 October 1962

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	4.305100
Black Cat Oil & Gas Ltd.	0.383000
Bow Valley Industries Ltd.	0.333100
BP Resources Canada Limited	26.364600
Canadian Occidental Petroleum Ltd.	7.678000
Esso Resources Canada	45.793800
ICG Resources Ltd.	0.815800
Luscar Ltd.	3.069200
Murphy Oil Company Ltd.	3.401300
Norcen Energy Resources Limited	1.512700
Pembina Resources Limited	1.956800
Petro-Canada Inc.	3.852400
Southmark Acquisitions Canada Ltd.	0.370100
Sunlite Oil Company Limited	0.164100
	<u>100.000000</u>

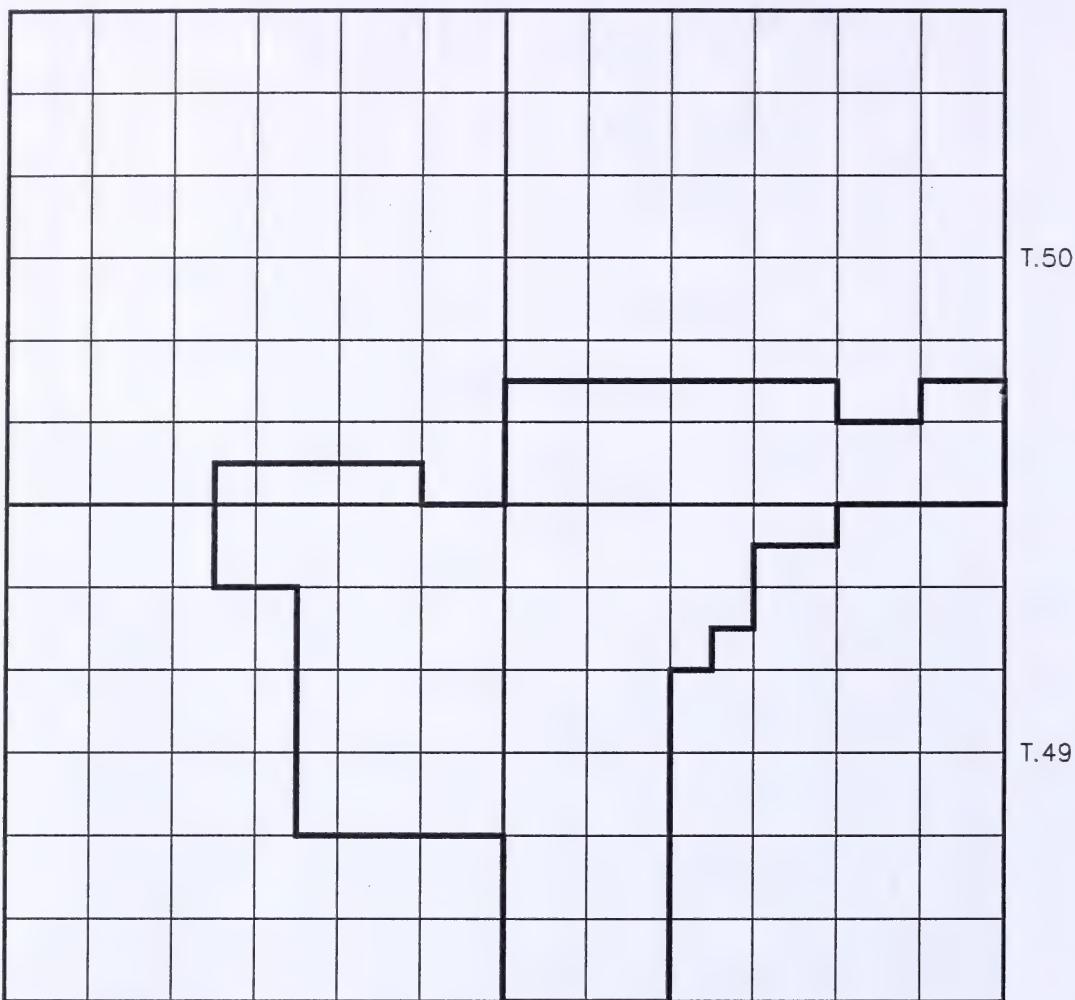
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11

R.10 W.5M.



PEMBINA CARDIUM UNIT NO.11

INITIAL EFFECTIVE DATE- 1 OCTOBER 1962

UNIT OPERATOR-ESSO RESOURCES CANADA

ERCB

PEMBINA CARDIUM UNIT NO. 20

Located in the Pembina Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 August 1960

Participation Revised - 1 September 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Crude oil, natural gas, condensate, all hydrocarbons (except coal)

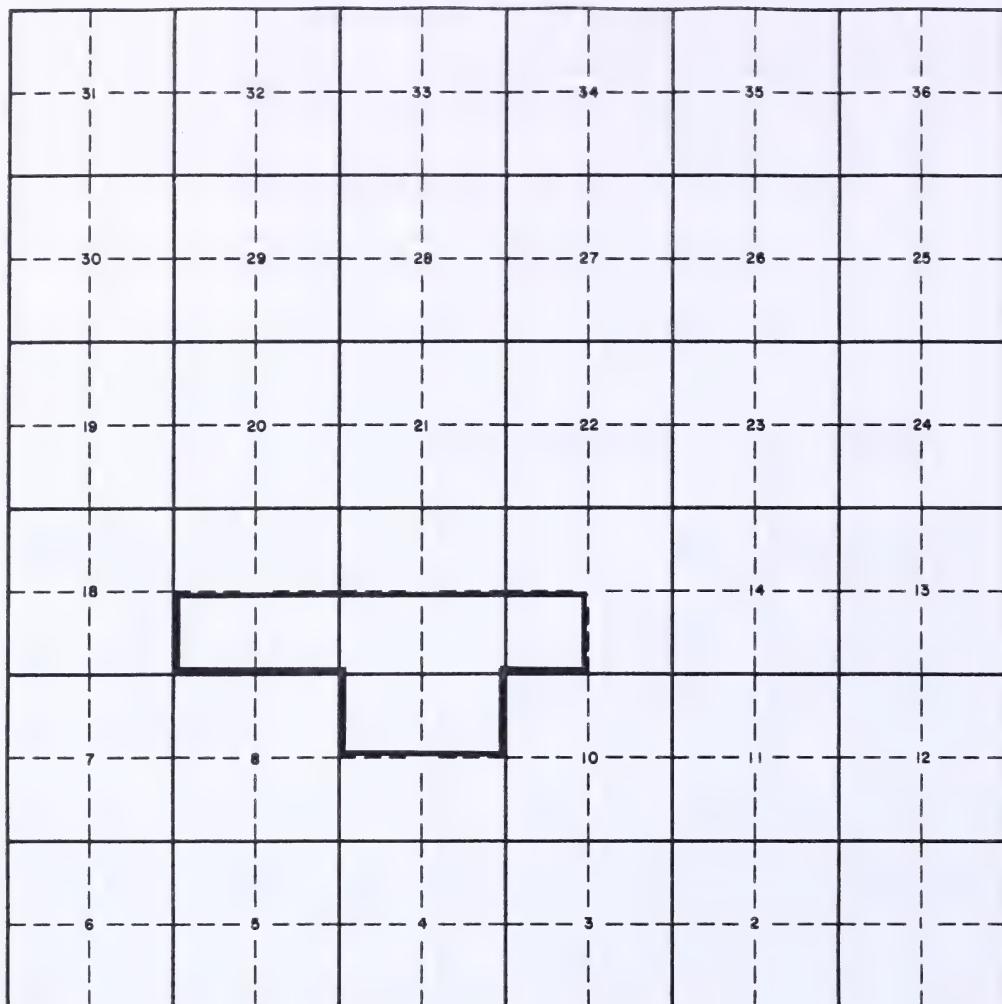
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	29.81
Norcen Energy Resources Limited	13.63
Pembina Resources Limited	17.20
Scurry-Rainbow Oil Limited	37.66
Ultramar Oil and Gas Canada Limited	1.70
	<u>100.00</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.8 W.5 M.



PEMBINA CARDIUM UNIT NO. 20

 ERCB

INITIAL EFFECTIVE DATE - 1 AUGUST 1960

UNIT OPERATOR - PEMBINA RESOURCES LIMITED

PEMBINA CARDIUM UNIT NO. 31

Located in the Pembina Field

Unit Operator - Pembina Resources Limited

Initial Effective Date - 1 November 1960

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Crude oil, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.9000
Heenan Senlac Resources Limited	0.7146
Lakewood Oil & Gas Ltd.	0.9000
Mobil Oil Canada	14.4000
Norcen Energy Resources Limited	1.2000
Pacific Enterprises Oil Company	0.9528
Pembina Resources Limited	25.2853
Petro-Canada Inc.	19.4500
Petrorep (Canada) Ltd.	7.2006
Spruce Hills Production Company, Inc.	19.8917
Ultramar Oil and Gas Canada Limited	6.1050
	<u>100.0000</u>

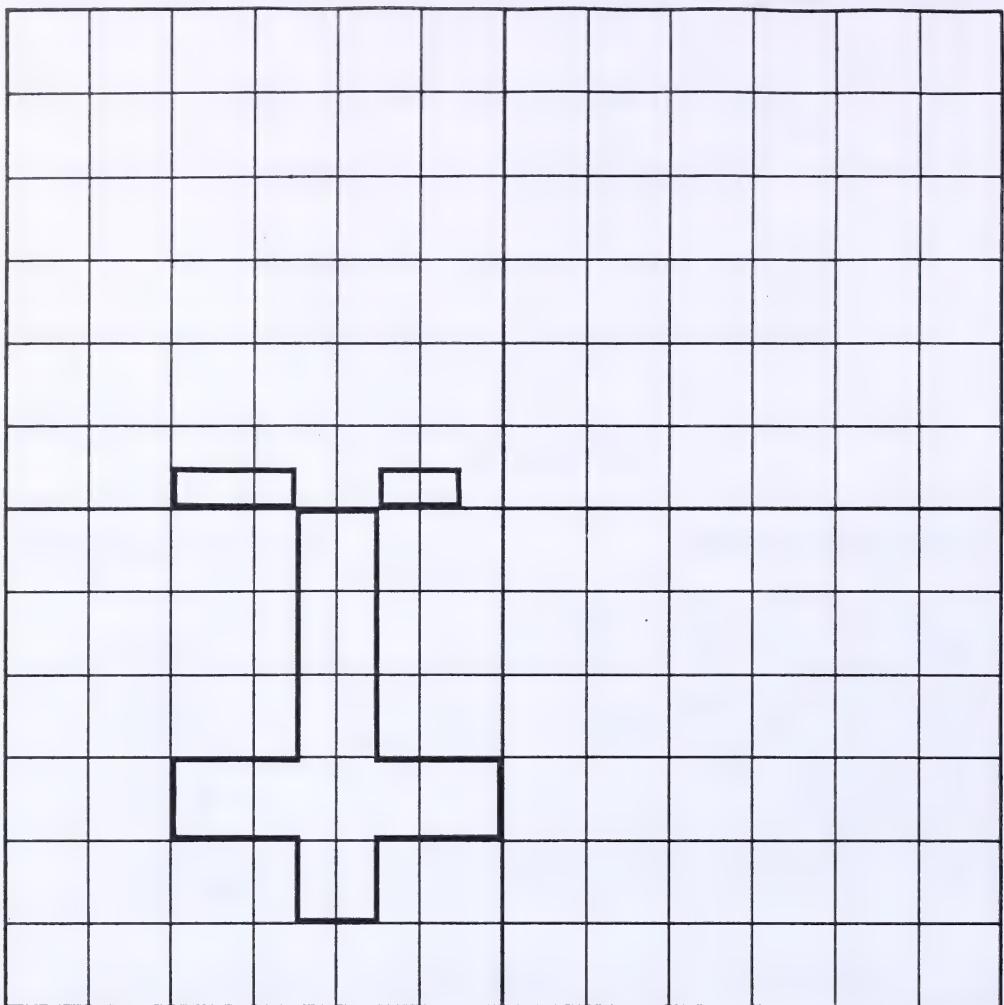
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 10

R. 9 W. 5 M.



PEMBINA CARDIUM UNIT NO. 31

INITIAL EFFECTIVE DATE - 1 NOVEMBER 1960
UNIT OPERATOR - PEMBINA RESOURCES LIMITED

ERCB

PEMBINA EASYFORD CARDIUM UNIT NO. 1

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 August 1964

Participation Revised - 1 August 1989

*Unitized Zone - Cadium Formation

*Unitized Substance - Crude oil, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	25.4453
Canadian Occidental Petroleum Ltd.	26.8748
DeKalb Energy Canada Ltd.	9.8954
Dome Petroleum Limited	3.6288
Hudson's Bay Oil and Gas Company Limited	4.7704
Mobil Oil Canada	1.2391
Norcen Energy Resources Limited	0.7286
Norwich Resources Canada Ltd.	0.4164
Petro-Canada Inc.	6.2760
Texaco Canada Resources	<u>20.7252</u>
	100.0000

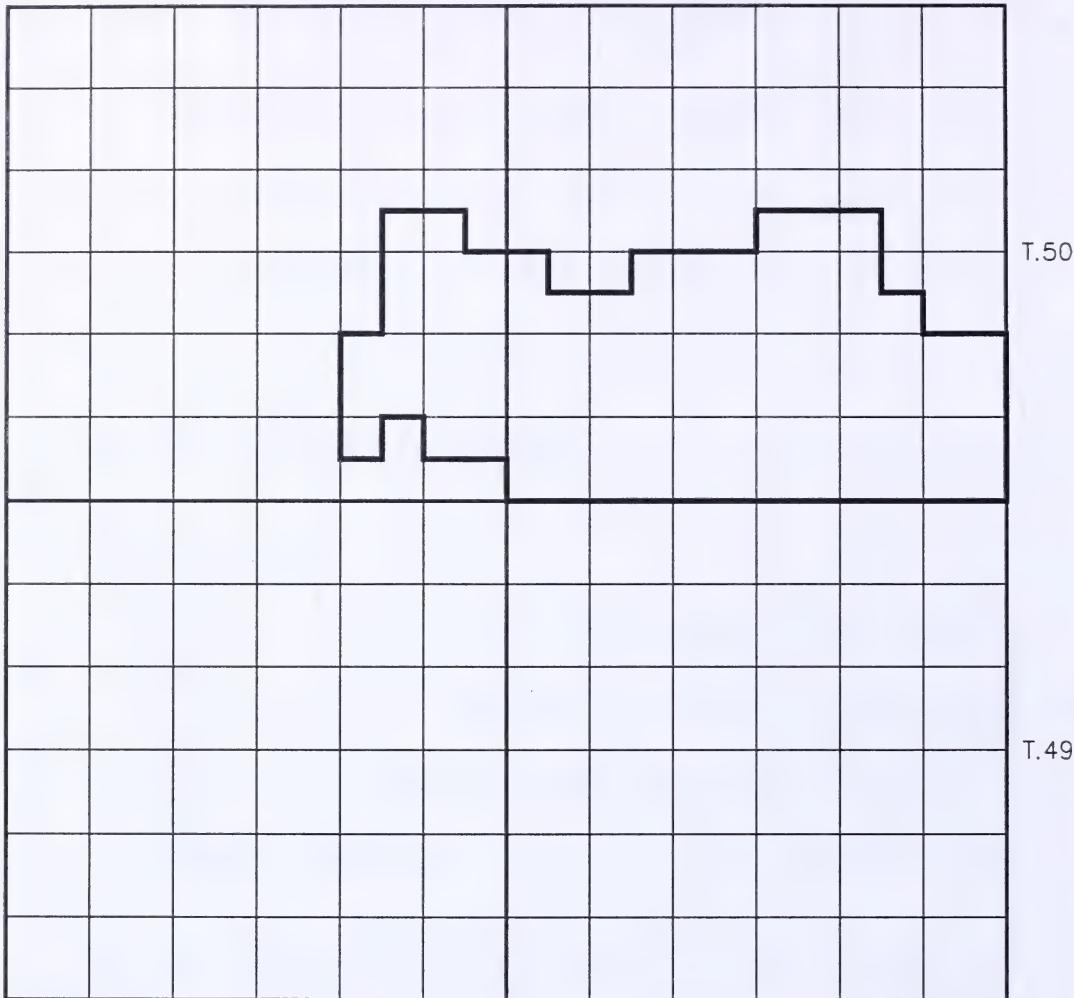
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.5M.



PEMBINA EASYFORD CARDIUM UNIT NO. 1

ERCB

INITIAL EFFECTIVE DATE—1 AUGUST 1964

UNIT OPERATOR—CANADIAN OCCIDENTAL PETROLEUM LTD.

PEMBINA KEYSTONE CARDIUM UNIT NO. 2

Located in the Pembina Field

Unit Operator - Canadian Occidental Petroleum Ltd.

Initial Effective Date - 1 April 1971

Participation Revised - 1 August 1989

*Unitized Zone - Cardium Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	7.466501
Black Cat Oil & Gas Ltd.	0.196700
Bumper Development Corporation Ltd.	0.762454
[Joan Busher Sinna & Paul Busher (Trustees)]	0.254151
[Mr. P. Antrobus]	0.254151
[Old National Bank of Washington (Trust Account)]	0.254151
Canadian Occidental Petroleum Ltd.	63.965570
Esso Resources Canada	3.722476
Esso Resources Canada Limited	7.230959
Hollywood Investment Corporation	0.422077
Mobil Oil Canada	0.924210
NCE Oil & Gas (88-1) Ltd.	2.015249
Norcen Energy Resources Limited	3.358710
Petro-Canada Inc.	4.932740
Royal Trust Corporation of Canada	0.774853
Samedan Oil of Canada, Inc.	1.546371
Shell Canada Limited	0.633116
Universal Exploration Ltd.	1.285561
	<u>100.000000</u>

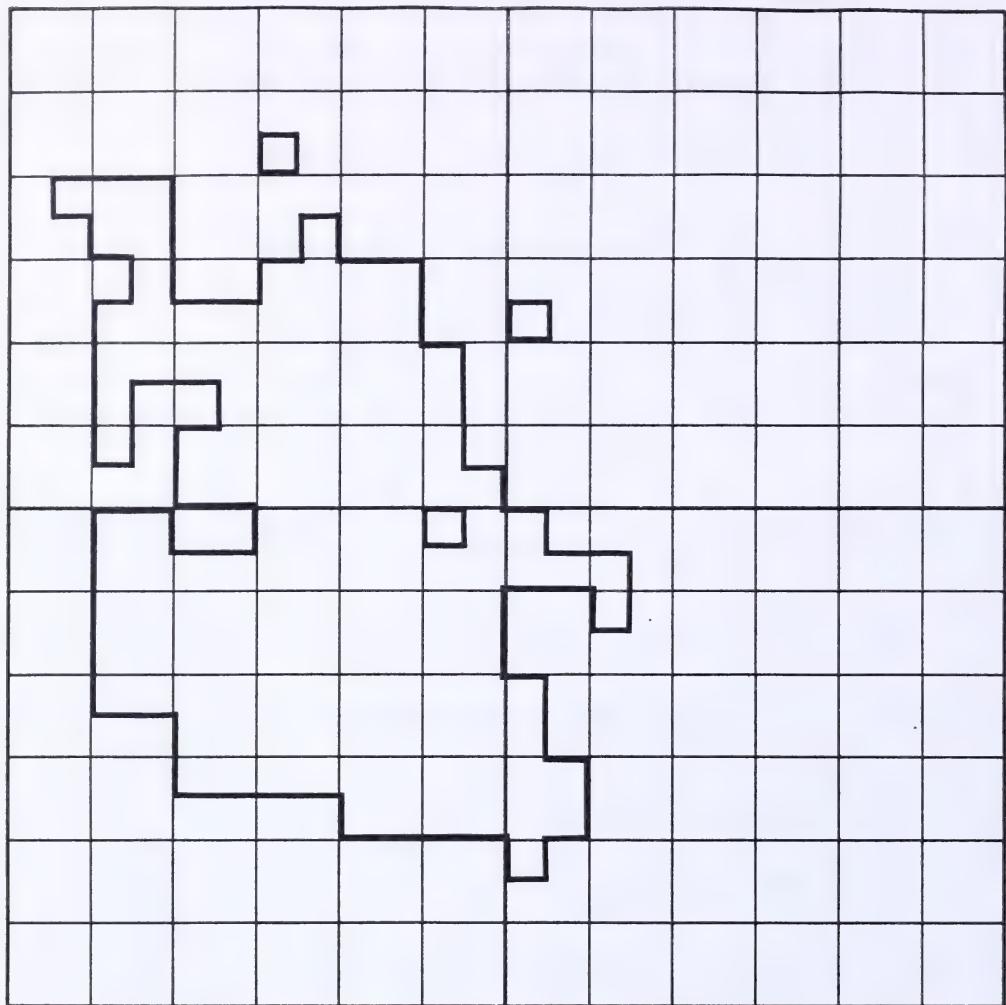
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 4

R. 3 W. 5 M.



PEMBINA KEYSTONE CARDIUM UNIT NO. 2

ERCB

INITIAL EFFECTIVE DATE - 1 APRIL 1971

UNIT OPERATOR - CANADIAN OCCIDENTAL PETROLEUM LTD.

PEMBINA KEYSTONE CARDIUM UNIT NO. 3

Located in the Pembina Field

Unit Operator - Amoco Canada Resources Ltd.

Initial Effective Date - 1 July 1969

Participation Revised - 1 July 1989

*Unitized Zone- Cardium Formation

*Unitized Substance - Petroleum, natural gas and related hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	40.03516
BP Resources Canada Limited	16.83500
Canadian Occidental Petroleum Ltd.	1.55254
Charter Oil Company Limited	0.18608
Chevron Canada Resources Limited	6.92043
Cross-Town Holdings Limited	0.13452
Esso Resources Canada Limited	0.86203
Albertina M. Koetsier	0.06726
Nauss, J.H.	1.29419
Norcen Energy Resources Limited	16.10320
Norwich Resources Canada Ltd.	10.89271
Scurry-Rainbow Oil Limited	0.93826
Shell Canada Limited	1.68328
Star Oil & Gas Ltd.	2.49534
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

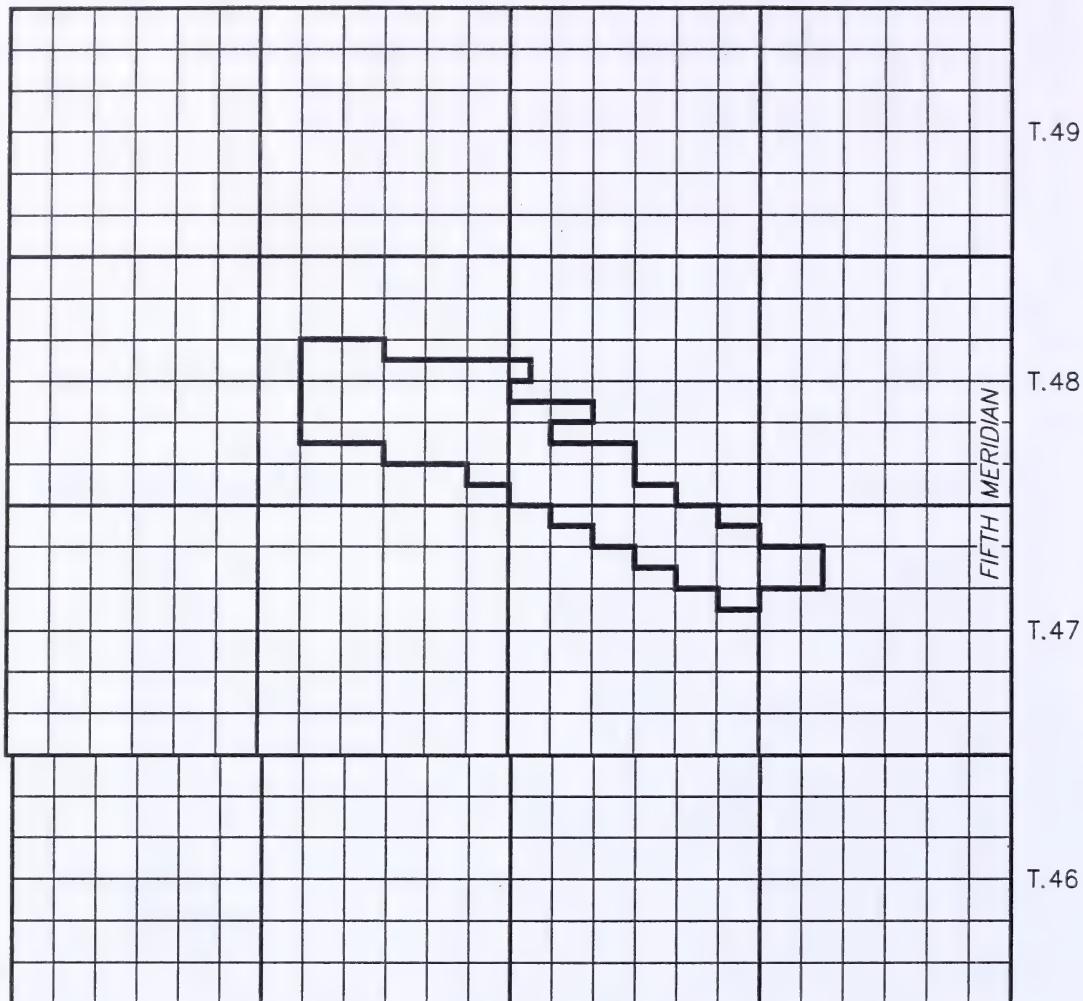
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.4

R.3

R.2

R.1 W.5M.



PEMBINA KEYSTONE CARDIUM UNIT NO.3

ERCB

INITIAL EFFECTIVE DATE- 1 JULY 1969

UNIT OPERATOR- AMOCO CANADA RESOURCES LTD.

PEMBINA NISCU 'M' UNIT

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 March 1982

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	46.00
Esso Resources Canada	54.00
	<u>100.00</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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T.49

PEMBINA NISKU M UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 MARCH 1982

UNIT OPERATOR - ESSO RESOURCES CANADA

PEMBINA NISKU "N" POOL UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 September 1985

Participation Revised - 1 August 1989

*Unitized Zone - Nisku

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	41.5
Esso Resources Canada	<u>58.5</u>
	<u>100.0</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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PEMBINA NISKU N POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1985

UNIT OPERATOR - ESSO RESOURCES CANADA

PEMBINA NISKU "O" POOL UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 October 1983

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	26.715
Esso Resources Canada	<u>73.285</u>
	<u>100.000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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PEMBINA NISKU O POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE- 1 OCTOBER 1983

UNIT OPERATOR-ESSO RESOURCES CANADA

PEMBINA NISCU "P" POOL UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 October 1983

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocabons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Esso Resources Canada	87.5735
Precambrian Shield Resources Limited	12.4265
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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PEMBINA NISKU P POOL UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - 1 OCTOBER 1983

UNIT OPERATOR - ESSO RESOURCES CANADA

PEMBINA NIKSU "Q" POOL UNIT NO. 1

Located in the Pembina Field

Unit Operator - Esso Resources Canada

Initial Effective Date - 1 January 1985

Participation Revised - 1 August 1989

*Unitized Zone - Nisku Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	3.875
Esso Resources Canada	96.125
	100.000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.11 W.5M.

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T.49

PEMBINA NISKU Q POOL UNIT NO.1

 **ERCB**

INITIAL EFFECTIVE DATE - 1 JANUARY 1985

UNIT OPERATOR - ESSO RESOURCES CANADA

PROGRESS HALFWAY GAS UNIT NO. 1

Located in the Progress Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 September 1985

Participation Revised - 1 August 1989

*Unitized Zone - Halfway Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Bow Valley Industries Ltd.	4.05259
Chancellor Energy Resources Inc.	3.34793
Conwest Petroleum Corporation	2.30441
Dome Petroleum Ltd.	0.35748
Esso Resources Ventures Limited	0.35748
J. M. Huber Corporation	18.36826
ICG Resources Ltd.	12.31411
Mobil Oil Canada, Ltd.	11.93214
Petro-Canada Inc.	13.14783
Shell Canada Limited	20.35590
Texaco Canada Inc.	5.53447
Texaco Canada Resources	7.61336
Westcoast Petroleum Ltd.	0.31404
	<u>100.00000</u>

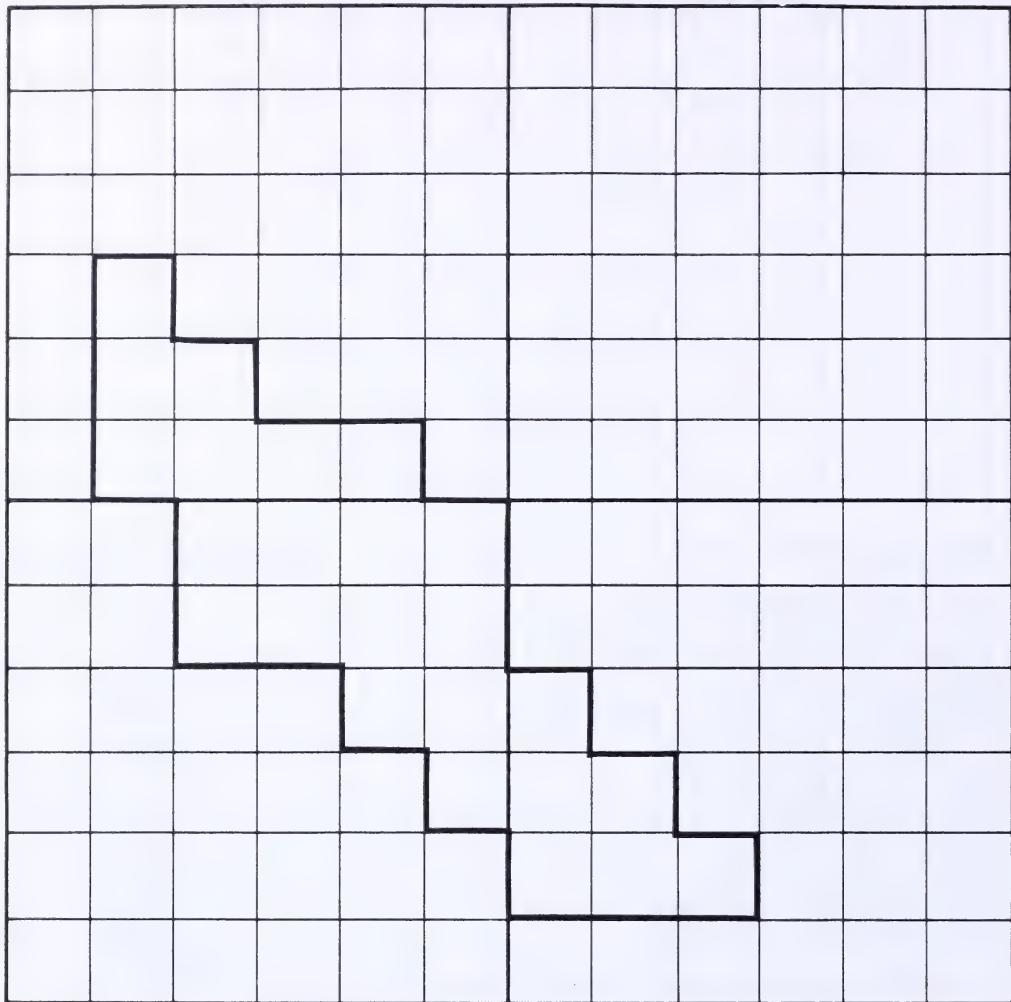
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.6M.



PROGRESS HALFWAY GAS UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1985

UNIT OPERATOR-SHELL CANADA LIMITED

PROVOST VIKING VETERAN UNIT

Located in the Provost Field

Unit Operator - Enerplus Resources Corporation

Initial Effective Date - 1 April 1971

Participation Revised - 1 September 1989

*Unitized Zone - Viking Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
A.I.S. Resources Limited	0.869377
Aldona Mines Limited	0.521626
Amoco Canada Resources Ltd.	6.060129
Bow Valley Industries Ltd.	8.911023
Enerplus Resources Corporation	14.388087
Gardiner Oil and Gas Limited	1.188136
ICG Resources Ltd.	4.971145
Koch Exploration Canada, Ltd.	9.815857
LaBorde Petroleums Limited	0.309137
Maxus Energy Canada, Ltd.	17.326263
NCE Oil & Gas (88-1) Ltd.	2.013905
Norcen Energy Resources Limited	3.425781
Owen Investors Ltd.	0.309137
Petroterra Natural Resources Ltd.	0.500669
Plainsman Exploration Ltd.	1.153452
Prairie Oil Royalties Company, Ltd.	0.652783
Ranchmen's Resources Ltd.	1.973380
Synerg Energy Ltd.	0.652785
Triton Canada Resources Ltd.	10.569241
Venwest Resources Limited	14.388087
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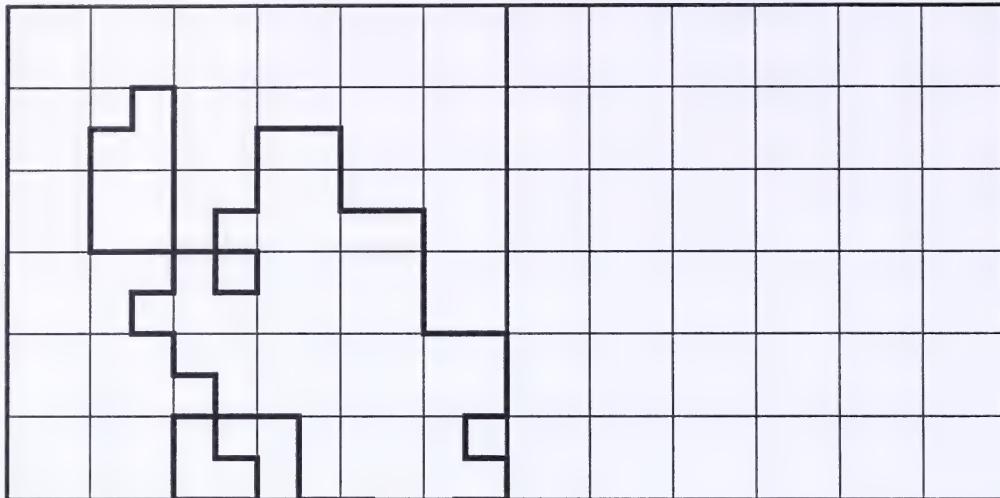
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

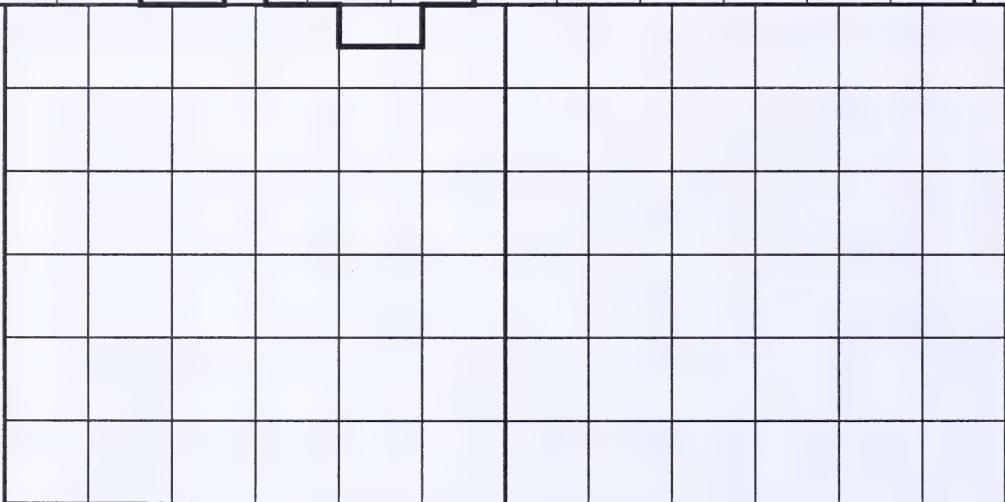
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.9

R.8 W.4M.



T.35



T.34

PROVOST VIKING VETERAN UNIT



INITIAL EFFECTIVE DATE- 1 APRIL 1971

UNIT OPERATOR-ENERPLUS RESOURCES CORPORATION

ROWLEY BELLY RIVER GAS UNIT NO. 1

Located in the Rowley Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 March 1976

Participation Revised - 1 June 1989

*Unitized Zone - Basal Belly River "A" Sand

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
American Eagle Petroleum Ltd.	5.673555
Amoco Canada Resources Ltd.	9.523150
Atcor Ltd.	5.673556
CEC Resources Ltd.	12.912388
Gulf Canada Resources Limited	49.203011
Kerr-McGee Corporation	3.492586
Murphy Oil Company Limited	0.416670
PanCanadian Petroleum Limited	1.758296
Woodbend Oil & Gas Ltd.	<u>11.346788</u>
	<u>100.000000</u>

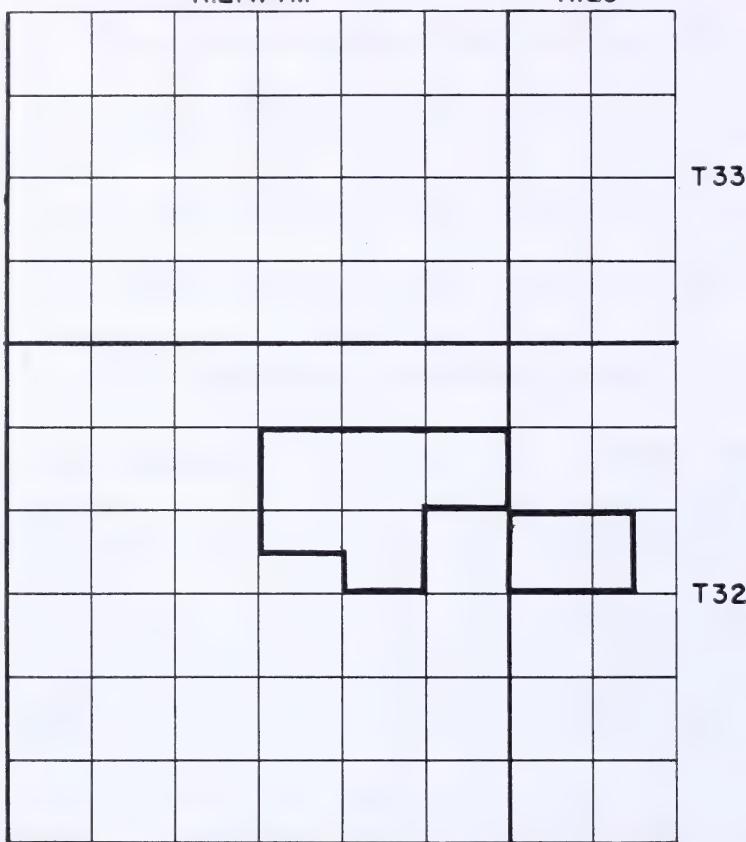
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.21W4M

R.20



ROWLEY BELLY RIVER GAS UNIT NO. 1

INITIAL EFFECTIVE DATE - MARCH 1, 1976

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

SNIPE LAKE BEAVERHILL LAKE UNIT NO. 1

Located in the Snipe Lake Field

Unit Operator - Esso Resources Canada Limited

Initial Effective Date - 1 March 1965

Participation Revised - 1 September 1989

*Unitized Zone - Swan Hills Member

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	0.7987600
BP Resources Canada Limited	3.6723700
Chevron Canada Resources	19.9688050
Complex Resources International Ltd.	1.8230900
Esso Resources Canada	0.1288500
Esso Resources Canada Limited	27.7478450
Norcen Energy Resources Limited	24.6103130
Numac Oil & Gas Ltd.	1.1534800
PanCanadian Petroleum Limited	1.5772139
Petro-Canada Inc.	11.2863861
Shell Canada Limited	7.2328870
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

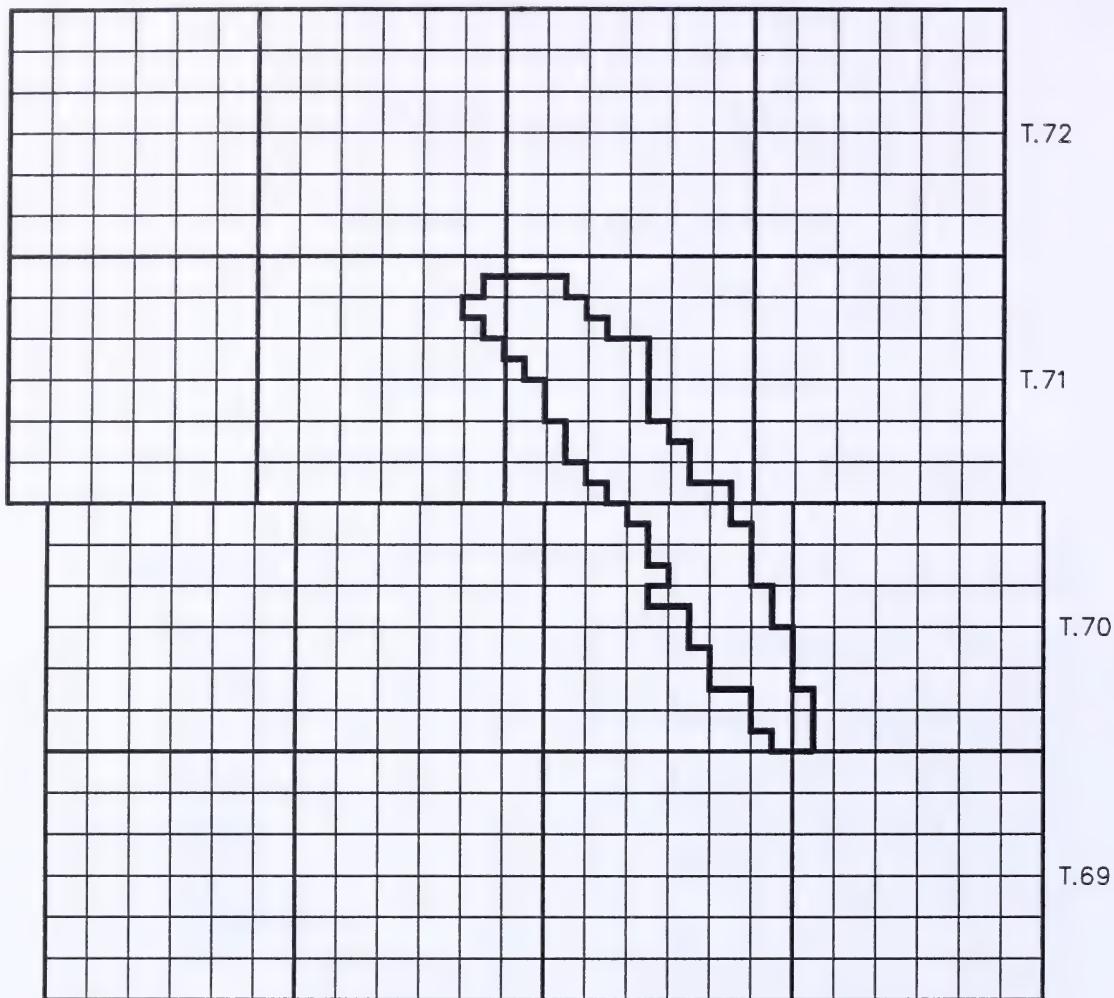
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.20

R.19

R.18

R.17 W.5M.



SNIPE LAKE BEAVERHILL LAKE UNIT NO.1

 **ERCB**

INITIAL EFFECTIVE DATE- 1 MARCH 1965

UNIT OPERATOR-ESSO RESOURCES CANADA LIMITED

SOUSA BLUESKY-GETHING GAS UNIT

Located in the Sousa and Virgo Fields

Unit Operator - Canterra Energy Ltd.

Initial Effective Date - 1 September 1988

Participation Revised - 1 March 1989

*Unitized Zone - Bluesky-Getting Formation

*Unitized Substance - Natural gas together with associated substances, including all fluid hydrocarbons other than crude oil

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Canterra Energy Ltd.	40.78706
Encor Energy Corporation Inc.	0.90590
Enerplus Resources Corporation	11.38090
Gulf Canada Resources Limited	2.71762
Imperial Metals Corporation	4.90931
Lobo Exploration Ltd.	0.12139
Petro-Canada Inc.	2.54257
Resman Holdings Ltd.	12.28765
Universal Explorations Ltd.	22.02792
Venwest Resources Ltd.	2.31968
	<u>100.00000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

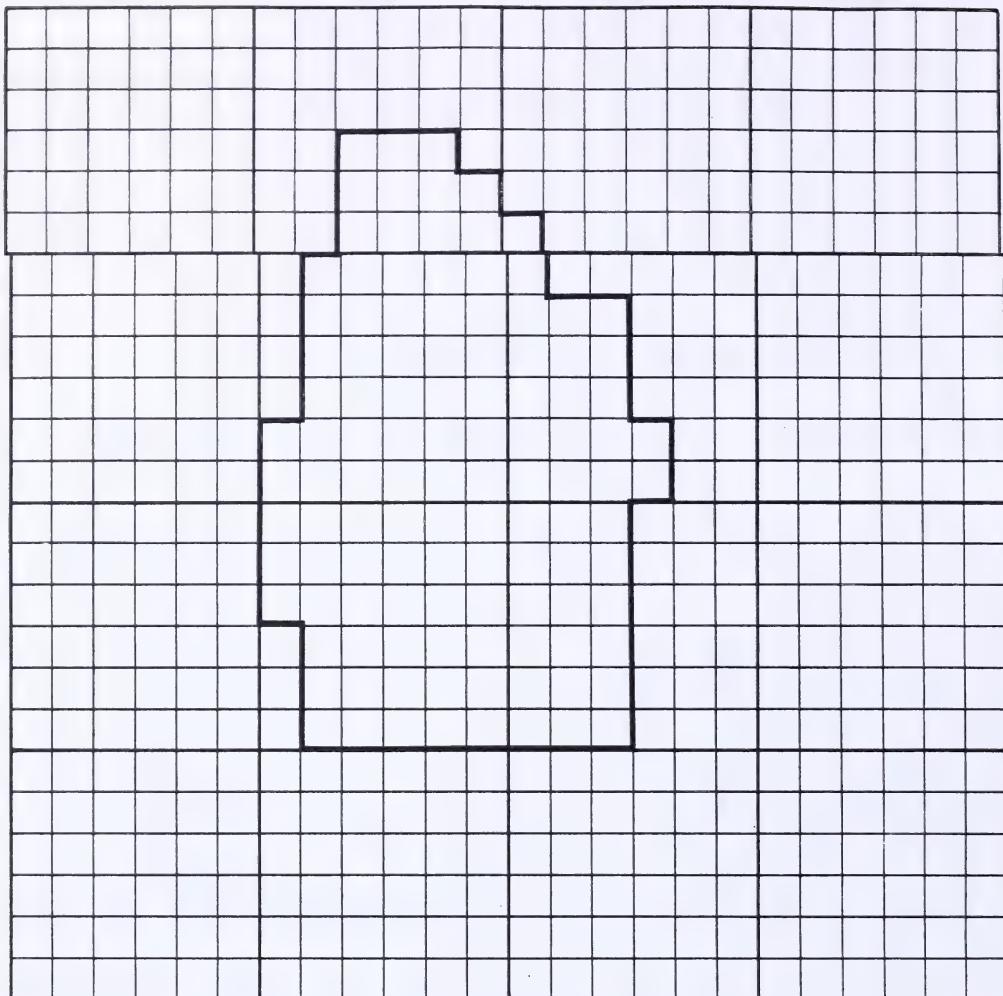
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.5

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R 2 W.6M



SOUSA BLUESKY-GETHING GAS UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1988

UNIT OPERATOR - CANTERRA ENERGY LTD.

SULLIVAN LAKE GAS UNIT NO. 1

Located in the Sullivan Lake Field

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 September 1974

Participation Revised - 1 September 1989

*Unitized Zone - Basal Belly River and Viking Formations

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
BP Resources Canada Limited	46.400100
Columbia Gas Development of Canada Ltd.	0.573200
Dome Petroleum Limited	10.942900
First Guardian Petroleum Corporation	1.965900
Hudson's Bay Oil and Gas Company Limited	7.873400
Maligne Resources Limited	3.647600
Mobil Oil Canada Ltd.	2.544875
PanCanadian Petroleum Limited	15.865575
Sceptre Resources Limited	<u>10.186450</u>
	<u>100.000000</u>

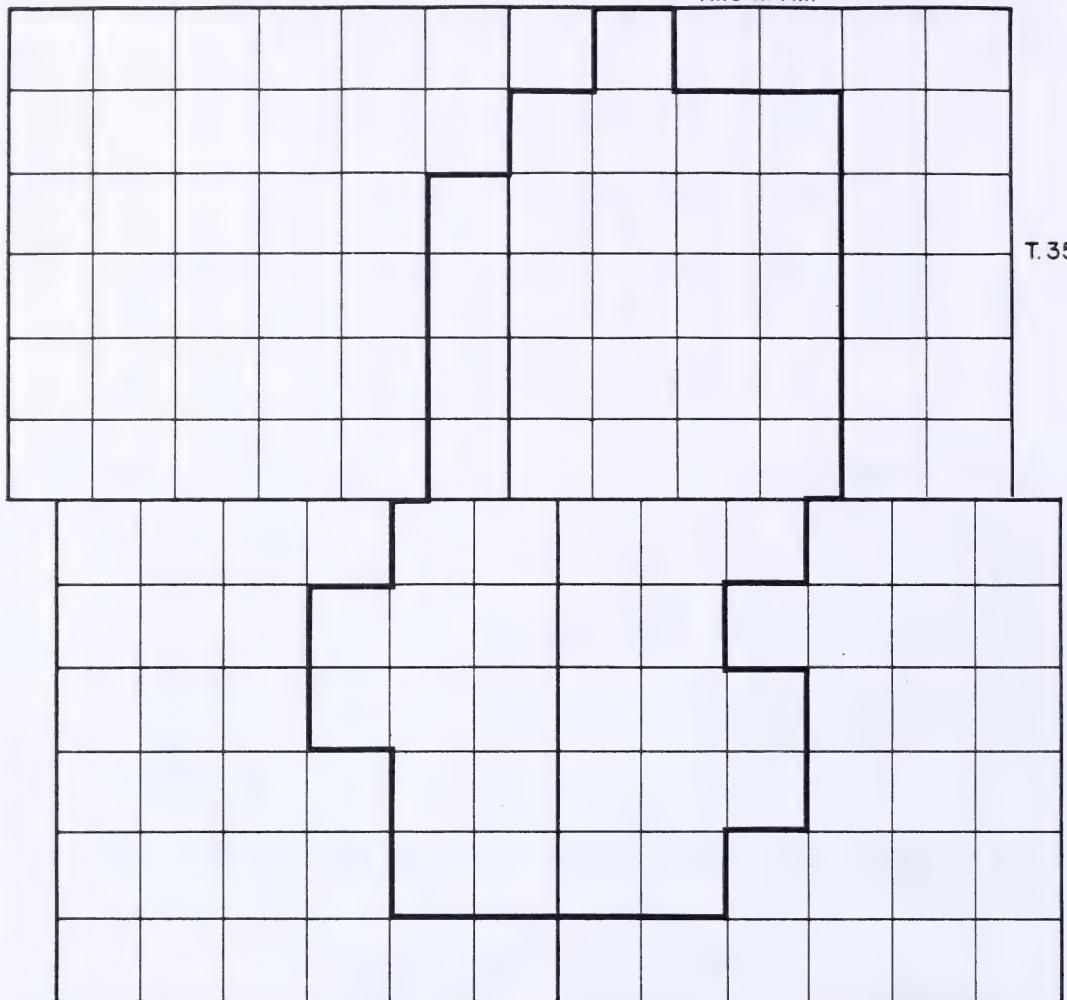
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.14

R.13 W.4 M.



SULLIVAN LAKE GAS UNIT NO. 1

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1974

UNIT OPERATOR- BP RESOURCES CANADA LIMITED



SWAN HILLS BEAVERHILL LAKE "C" UNIT NO. 1

Located in the Swan Hills Field

Unit Operator - Ultramar Oil and Gas Canada Limited

Initial Effective Date - 1 June 1977

Participation Revised - 1 September 1989

*Unitized Zone - Swan Hills Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Denison Mines Limited	9.91846
Northern Development Company Limited (Non Personal Liability)	9.42254
Star Oil and Gas Ltd.	49.53539
Swade Resources Ltd.	0.49592
Ultramar Oil and Gas Canada Limited	20.70923
Wintershall Oil of Canada Ltd.	9.91846
	<hr/>
	100.00000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

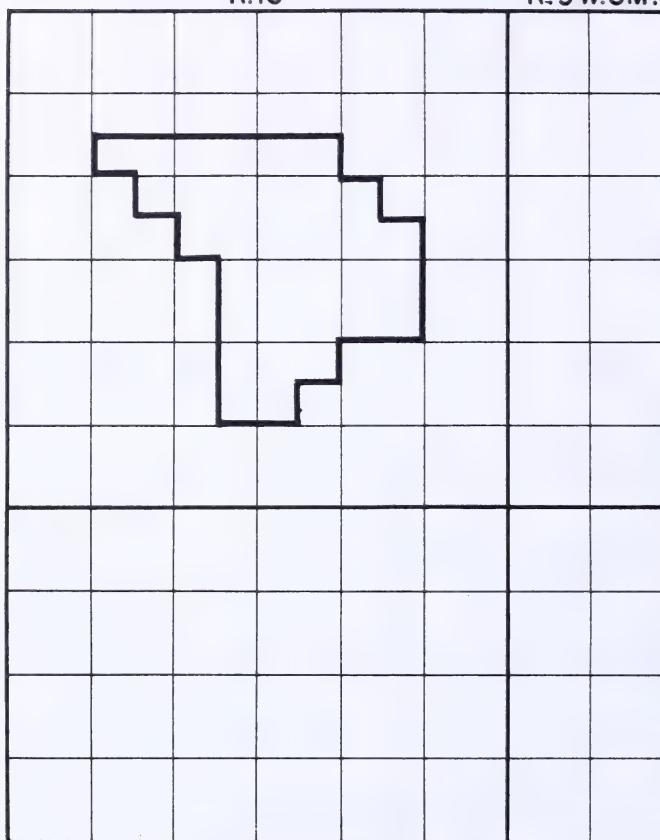
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.10

R.9W.5M.

T.69

T.68



SWAN HILLS BEAVERHILL LAKE 'C' UNIT NO.1

ERCB

INITIAL EFFECTIVE DATE - JUNE 1, 1977

UNIT OPERATOR - ULTRAMAR OIL AND GAS CANADA LIMITED

SWAN HILLS UNIT NO. 1

Located in the Swan Hills Field

Unit Operator - Home Oil Company Limited

Initial Effective Date - 1 January 1963

Participation Revised - 1 August 1989

*Unitized Zone - Swan Hills Member

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amerada Minerals Corporation of Canada Ltd.	1.0455030
Amoco Canada Petroleum Company Ltd.	14.4474685
Amoco Canada Resources Ltd.	0.0275790
Balmer Enterprises, Inc.	0.0272774
Benedum-Trees Oil Company	0.2080238
BP Resources Canada Limited	1.9280706
Canadian Kenwood Company	0.6890651
Chair Holdings Ltd.	0.2332560
Corvair Oils Ltd.	0.0756917
Denison Mines Limited	0.3337640
Encor Energy Corporation Inc.	0.6240712
Esso Resources Canada	18.6600542
Esso Resources Canada Limited	0.1631170
Esso Resources Enterprises Ltd.	1.3868515
Gulf Canada Resources Limited	17.0013992
Home Oil Company Limited	17.2802734
Luscar Ltd.	1.4381363
Peter J. McMahon U.S.-Canada Partnership	0.1002323
Estate of R. W. McMahon	0.0539132
Mobil Oil Canada	12.2106815
Murphy Oil Company Ltd.	1.2067858
Norcen Energy Resources Limited	0.2710628
Petro-Canada Inc.	4.8616328
Phillips Petroleum Canada Ltd.	0.5002590
Sabre Energy Ltd.	0.0387878
Shell Canada Limited	0.0787607
Suncor Inc.	1.9474812
Total Petroleum Canada Ltd.	2.2983000
TN Resources Partnership	0.8625010
	<u>100.0000000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

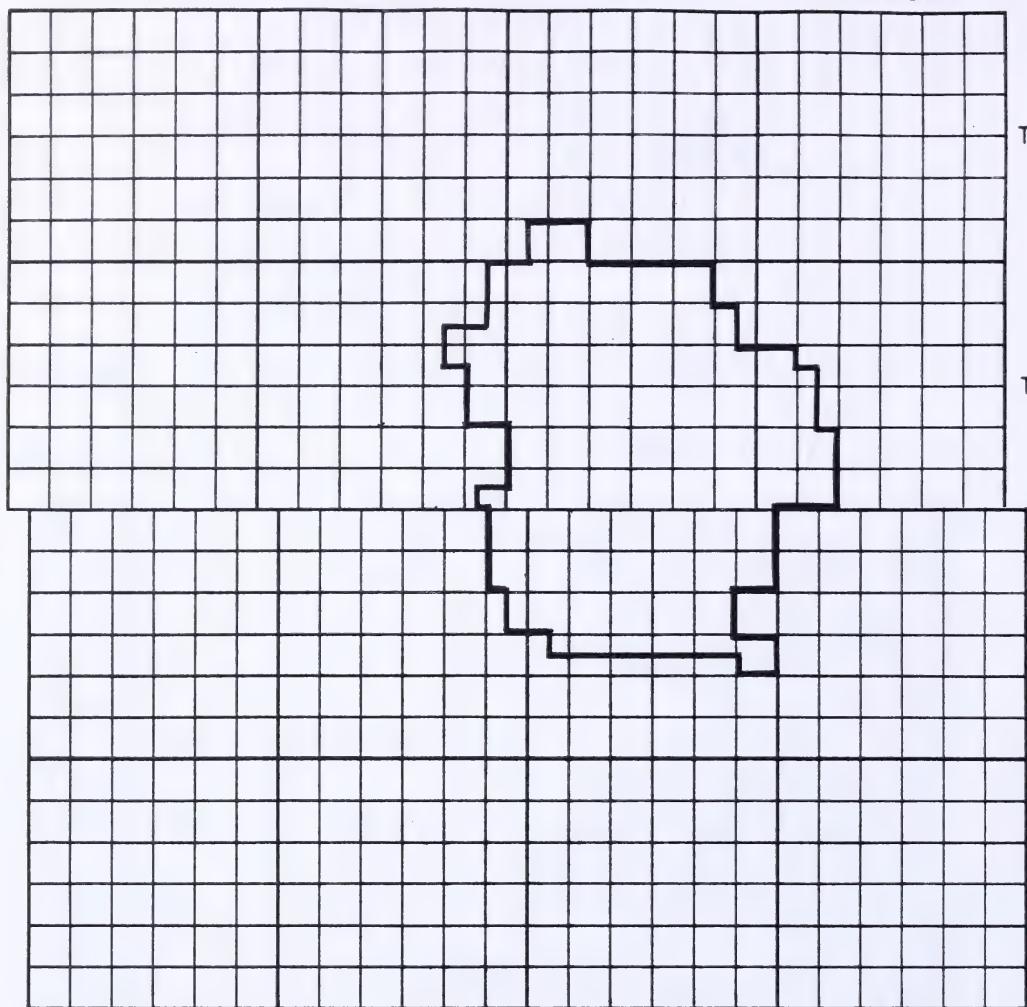
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.12

R.11

R.10

R.9 W.5 M.



SWAN HILLS UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 JANUARY 1963

UNIT OPERATOR - HOME OIL COMPANY LIMITED

TABER NORTH UNIT

Located in the Taber North Field

Unit Operator - Dome Petroleum Limited

Initial Effective Date - 1 March 1971

Participation Revised - 1 April 1989

*Unitized Zone - Taber Sand of the Basal Cretaceous Age

*Unitized Substances - Petroleum substance in or obtained from the
Unitized zone.

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Atcor Ltd.	2.821
Black Cat Oil & Gas Ltd.	2.821
Dome Petroleum Limited	50.000
Mobil Oil Canada	<u>44.358</u>
	100.000

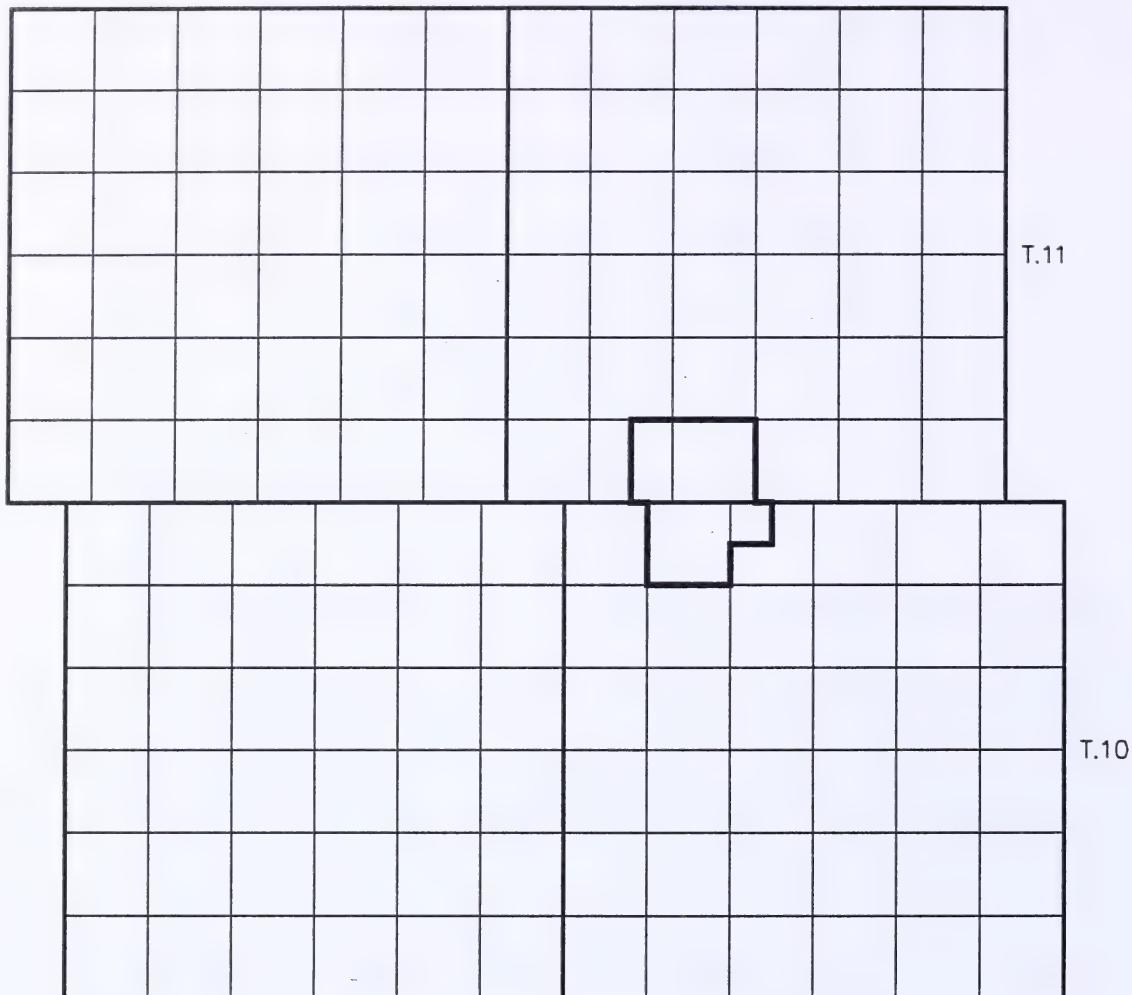
* For complete definition of unitized zones and substances, see Unit documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.17

R.16 W.4M.



TABER NORTH UNIT

ERCB

INITIAL EFFECTIVE DATE- 1 MARCH 1971

UNIT OPERATOR-DOME PETROLEUM LIMITED

TABER SOUTH BOW ISLAND GAS UNIT NO. 1

Located in the Taber South Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 30 April 1975

Participation Revised - 1 June 1989

*Unitized Zone - Bow Island Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	36.93467
PanCanadian Petroleum Limited	63.06533
	100.00000

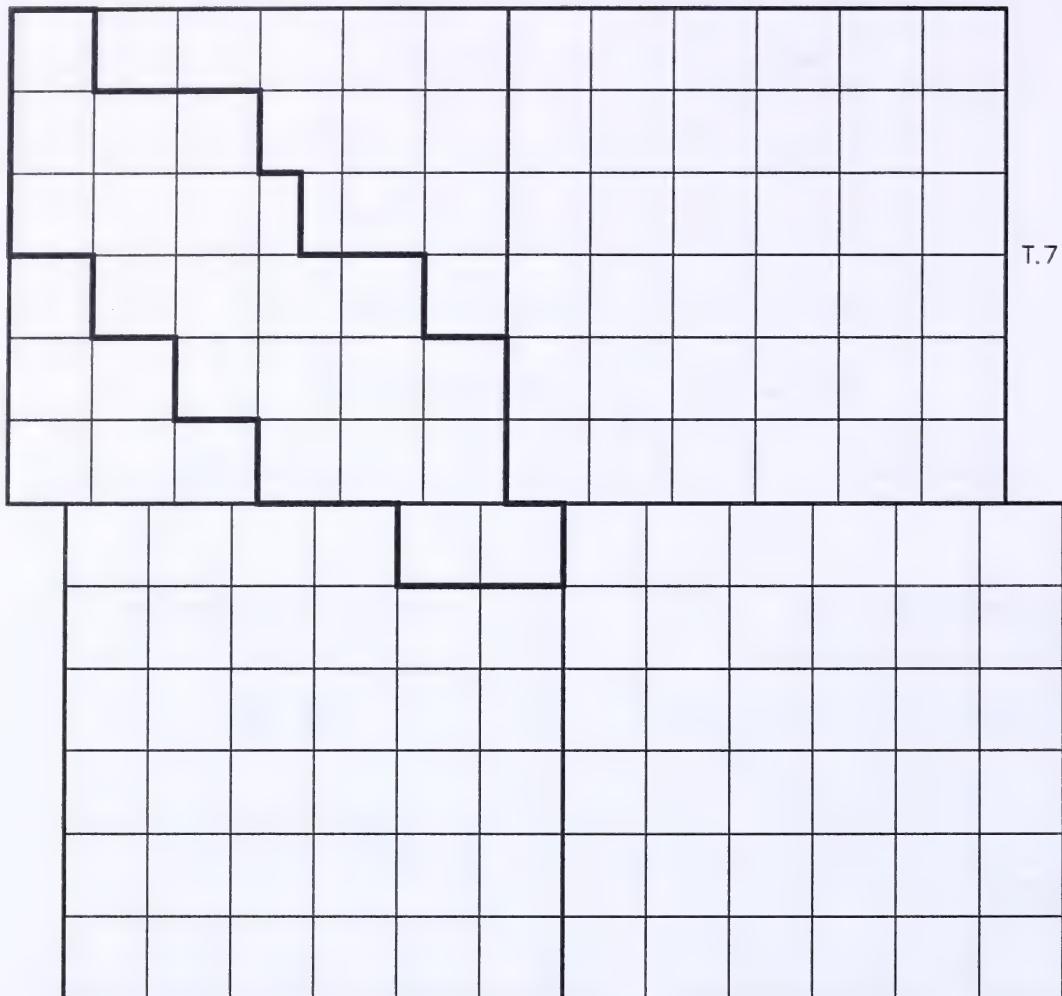
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.16

R.15 W.4M.



TABER SOUTH BOW ISLAND GAS UNIT NO.1



INITIAL EFFECTIVE DATE- 30 APRIL 1975

UNIT OPERATOR-PANCANADIAN PETROLEUM LTD.

SOUTH THREE HILLS CREEK UNIT

Located in the Three Hills Creek Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 17 January 1964

Participation Revised - 1 June 1989

*Unitized Zone - Pekisko Formation

*Unitized Substance - Natural gas, condensate and other hydrocarbons
(except coal and crude oil)

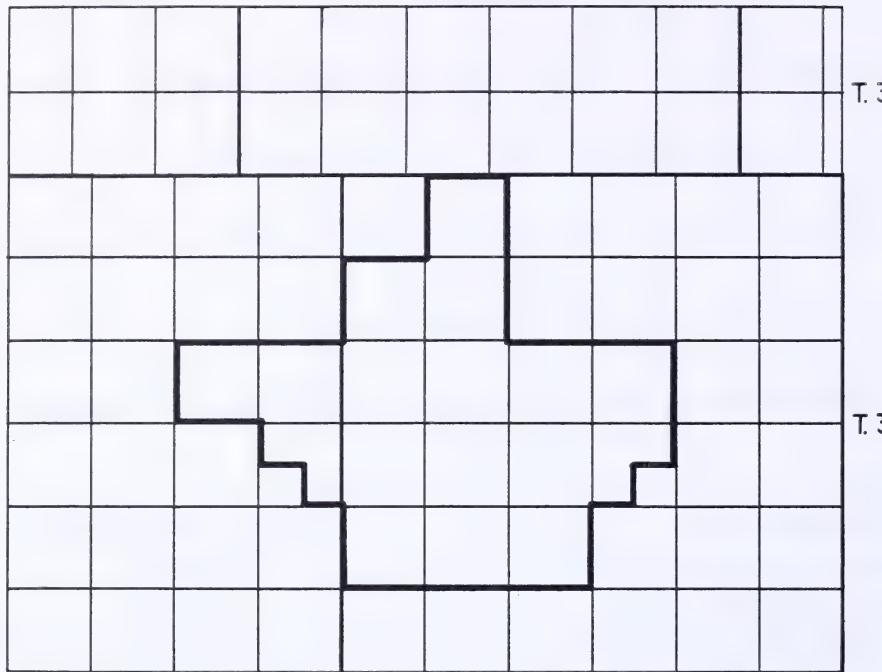
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	4.4970
Amoco Canada Resources Limited	6.5589
Gulf Canada Resources Limited	42.5587
Mobil Oil Canada	15.1176
Murphy Oil Company Ltd.	21.0330
Shell Canada Limited	10.2348
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

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R. 25 W. 4 M.



SOUTH THREE HILLS CREEK UNIT

UNIT OPERATOR — GULF CANADA RESOURCES LIMITED

INITIAL EFFECTIVE DATE — JANUARY 17, 1964

TURIN UPPER MANNVILLE H POOL UNIT

Located in the Turin Field

Unit Operator - Morrison Petroleums Ltd.

Initial Effective Date - 1 May 1988

*Unitized Zone - Upper Mannville H Pool

*Unitized Substance - Petroleum and other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Ace Drilling Mud Limited	13.0090
Calgary Crude Oil Limited	3.7742
Canadian Outlook Resources	0.5663
Canadian Superior Oil Ltd.	27.0350
Morrison Petroleums Ltd.	55.6255
	<hr/>
	100.0000

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.17 W. 4 M.

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-----30-----	-----29-----	-----28-----	-----27-----	-----26-----	-----25-----	
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T.11

TURIN UPPER MANNVILLE H POOL UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 MAY 1988

UNIT OPERATOR- MORRISON PETROLEUMS LTD.

UKALTA GAS UNIT NO. 1

Located in the Ukalta Field

Unit Operator - PanCanadian Petroleum Limited

Initial Effective Date - 1 May 1980

Participation Revised - 1 May 1989

*Unitized Zone - Wabamun - Graminia Zone

*Unitized Substance - Gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Encor Energy Corporation Inc.	0.69957
Home Oil Limited	1.63233
PanCanadian Petroleum Limited	94.93521
Westmin Resources Limited	2.73289
	<u>100.00000</u>

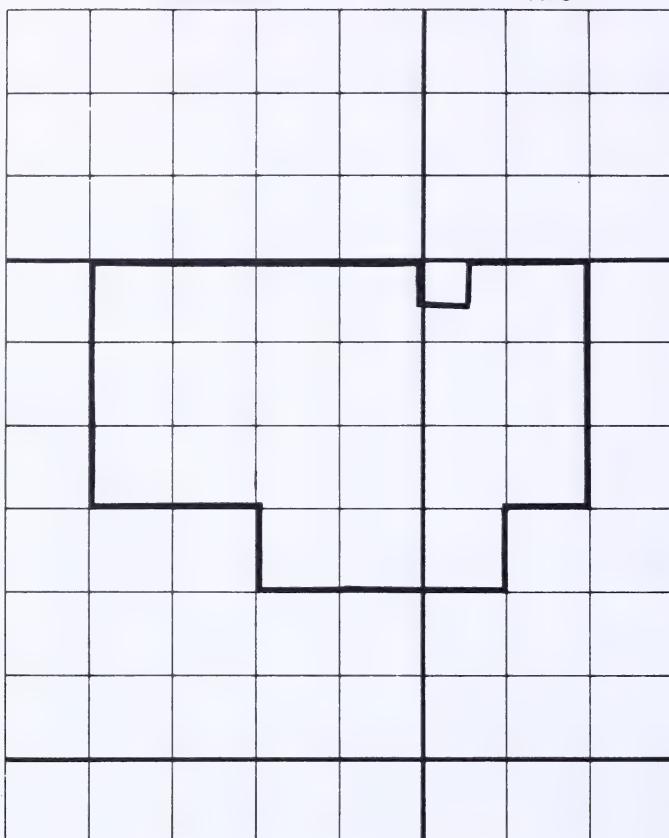
*For a complete definition of unitized zones and substances
see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

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R16



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T56

UKALTA GAS UNIT NO. I

UNIT OPERATOR — PANCANADIAN PETROLEUM LIMITED

INITIAL EFFECTIVE DATE 1 MAY 1980.

VIKING KINSELLA WAINWRIGHT B POOL UNIT NO. 1

Located in the Viking-Kinsella Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 March 1977

Participation Revised - 1 July 1989

*Unitized Zone - Wainwright B Pool Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	2.337
PanCanadian Petroleum Limited	16.538
Petro-Canada Inc.	81.125
	<hr/>
	100.000

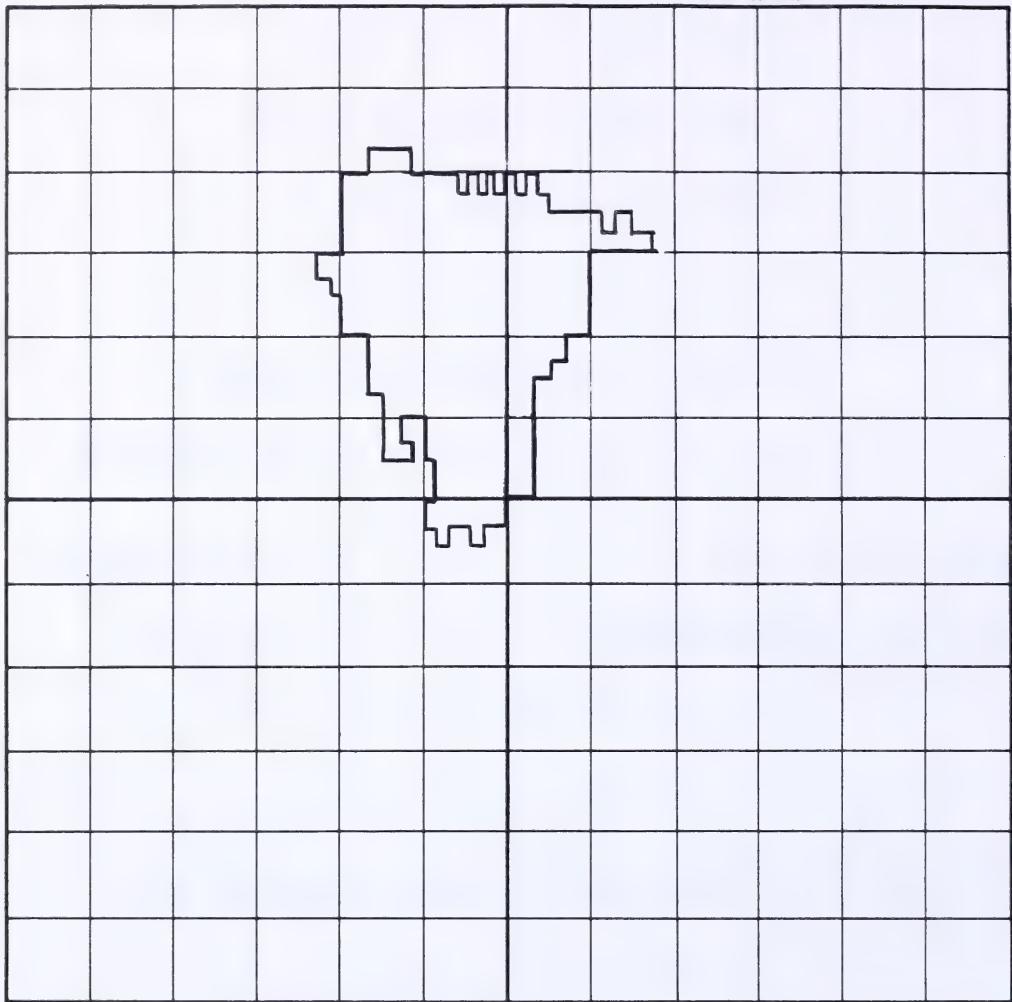
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R. 9

R.8 W.4M.



VIKING KINSELLA WAINRIGHT B POOL UNIT NO.1 **ERCB**
INITIAL EFFECTIVE DATE - 1 MARCH 1977
UNIT OPERATOR- PETRO-CANADA INC.

VIRGINIA HILLS BHL UNIT NO. 2

Located in the Judy Creek and Virginia Hills Fields

Unit Operator - Cooperative Energy Development Corporation

Initial Effective Date - 1 October 1979

Participation Revised - 1 August 1989

*Unitized Zone - Beaverhill Lake Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Limited	11.36225
Atcor Ltd.	1.23808
Canadian Superior Oil Ltd.	7.71675
Cooperative Energy Development Corporation	23.59056
Denison Mines Limited	1.23809
Home Oil Company Limited	12.15438
Lario Oil & Gas Company	25.85588
NCE Oil & Gas (86-1) Ltd.	1.23808
Unocal Canada Limited	14.36784
Woodbend Oil & Gas Ltd.	<u>1.23809</u>
	<u>100.00000</u>

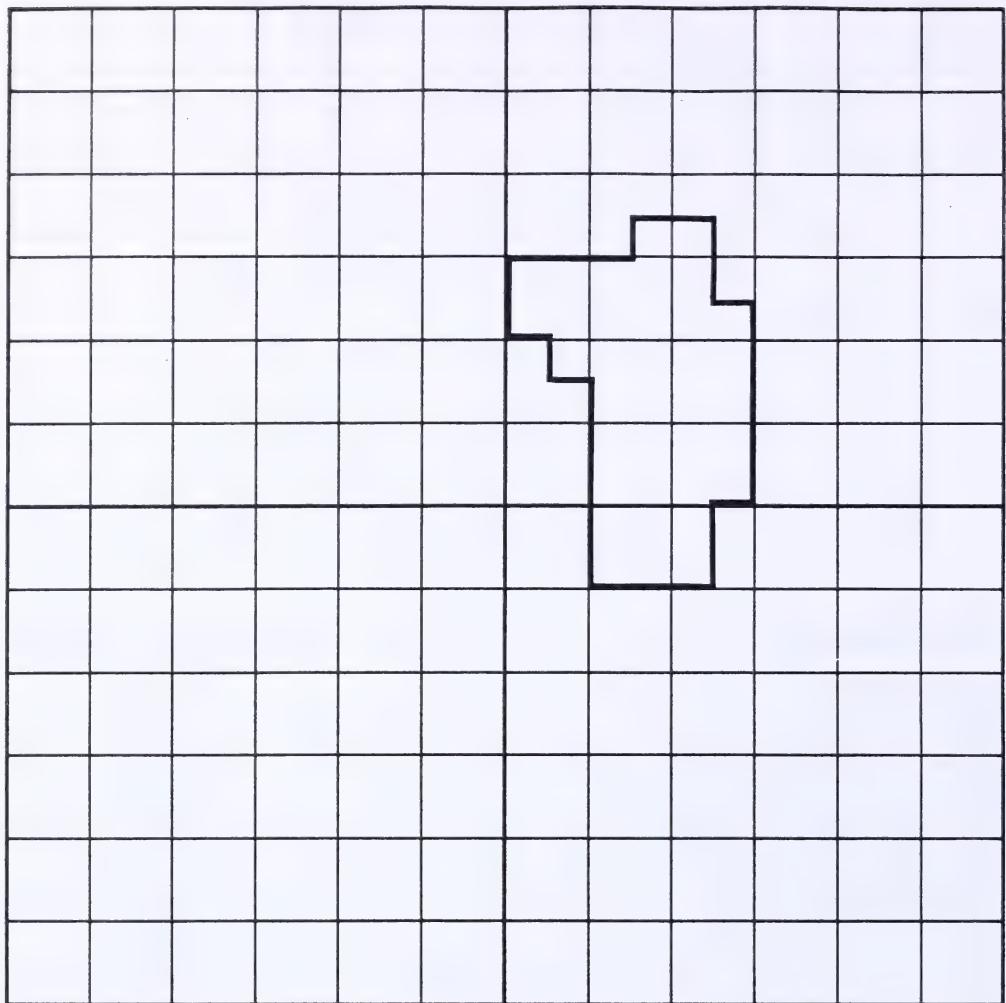
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.13

R.12 W.5 M.



VIRGINIA HILLS BHL UNIT NO. 2

ERCB

INITIAL EFFECTIVE DATE - 1 OCTOBER 1979

UNIT OPERATOR - COOPERATIVE ENERGY DEVELOPMENT CORPORATION

VIRGINIA HILLS UNIT NO. 1

Located in the Virginia Hills Field

Unit Operator - Shell Canada Limited

Initial Effective Date - 1 September 1963

Participation Revised - 1 June 1989

*Unitized Zone - Swan Hills Member

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	19.766389
Canadian Superior Oil Ltd.	3.817274
Esso Resources Canada Limited	2.052260
Gulf Canada Resources Limited	0.225114
Home Oil Company Limited	11.451835
Petro-Canada Inc.	4.653564
Shell Canada Limited	42.139833
Texaco Canada Resources	0.624616
Unocal Canada Resources	<u>15.269115</u>
	<u>100.000000</u>

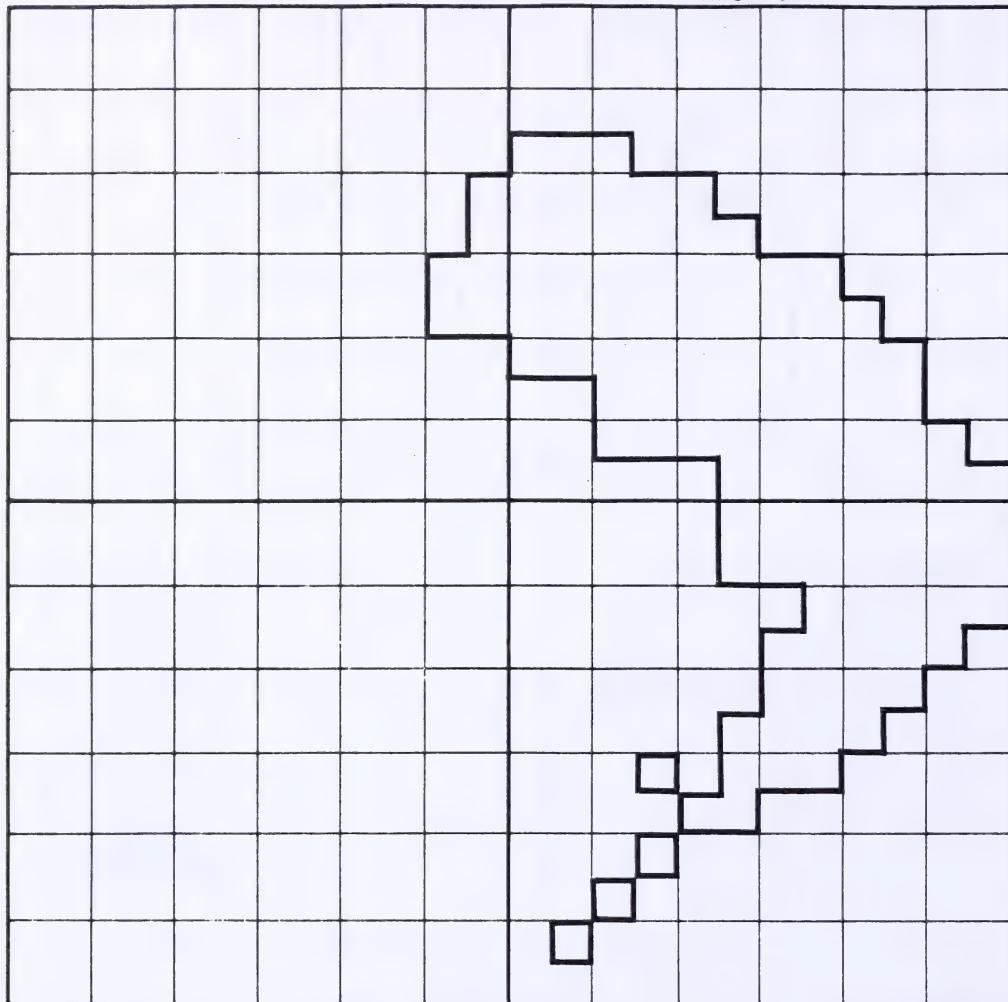
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.14

R.13 W.5 M.



VIRGINIA HILLS UNIT NO. I

ERCB

INITIAL EFFECTIVE DATE - 1 SEPTEMBER 1963

UNIT OPERATOR - SHELL CANADA LIMITED

WAINWRIGHT UNIT NO. 7

Located in the Wainwright Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 February 1974

Participation Revised - 1 July 1989

*Unitized Zone - Sparky Sand Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

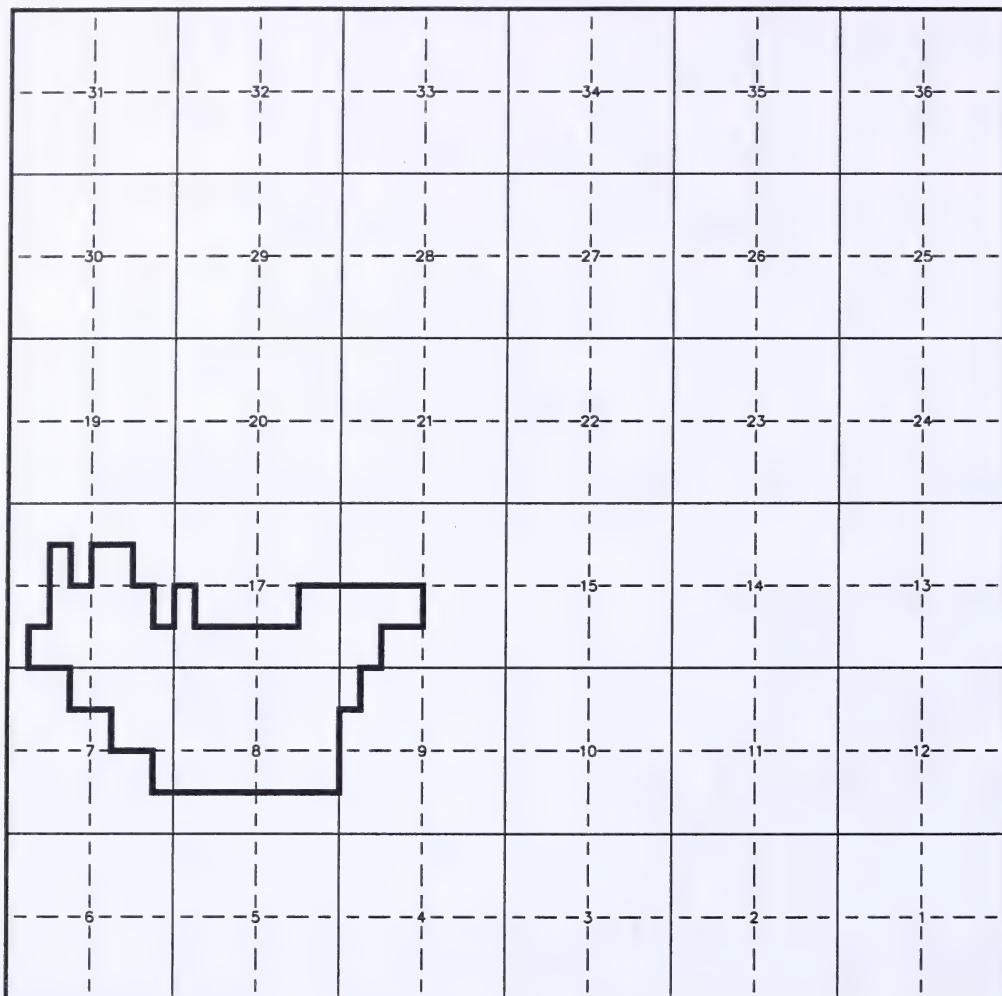
<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.4067
Husky Oil Operations Ltd.	10.8759
Petro-Canada Inc.	85.7174
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.6 W.4M.



WAINWRIGHT UNIT NO.7

INITIAL EFFECTIVE DATE- 1 FEBRUARY 1974

UNIT OPERATOR- PETRO-CANADA INC.

ERCB

WARBURG BELLY RIVER "M" UNIT

Located in the Pembina Field

Unit Operator - BP Resources Canada Limited

Initial Effective Date - 1 October 1969

Participation Revised - 1 August 1989

*Unitized Zone - Basal Belly River Sand Formation

*Unitized Substance - Petroleum, natural gas and other hydrocarbons
(except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Resources Canada Ltd.	17.28416
BP Resources Canada Limited	39.38038
Chevron Canada Resources Limited	19.73671
Denison Mines Limited	4.04538
Ice River Oil & Gas Ltd.	0.33804
Joule Resources Inc.	0.33804
Kerr-McGee Corporation	6.29066
Norcen Energy Resources Limited	7.03880
Norwich Resources Canada Ltd.	4.87176
Ranchmen's Resources Ltd.	0.67607
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	100.00000

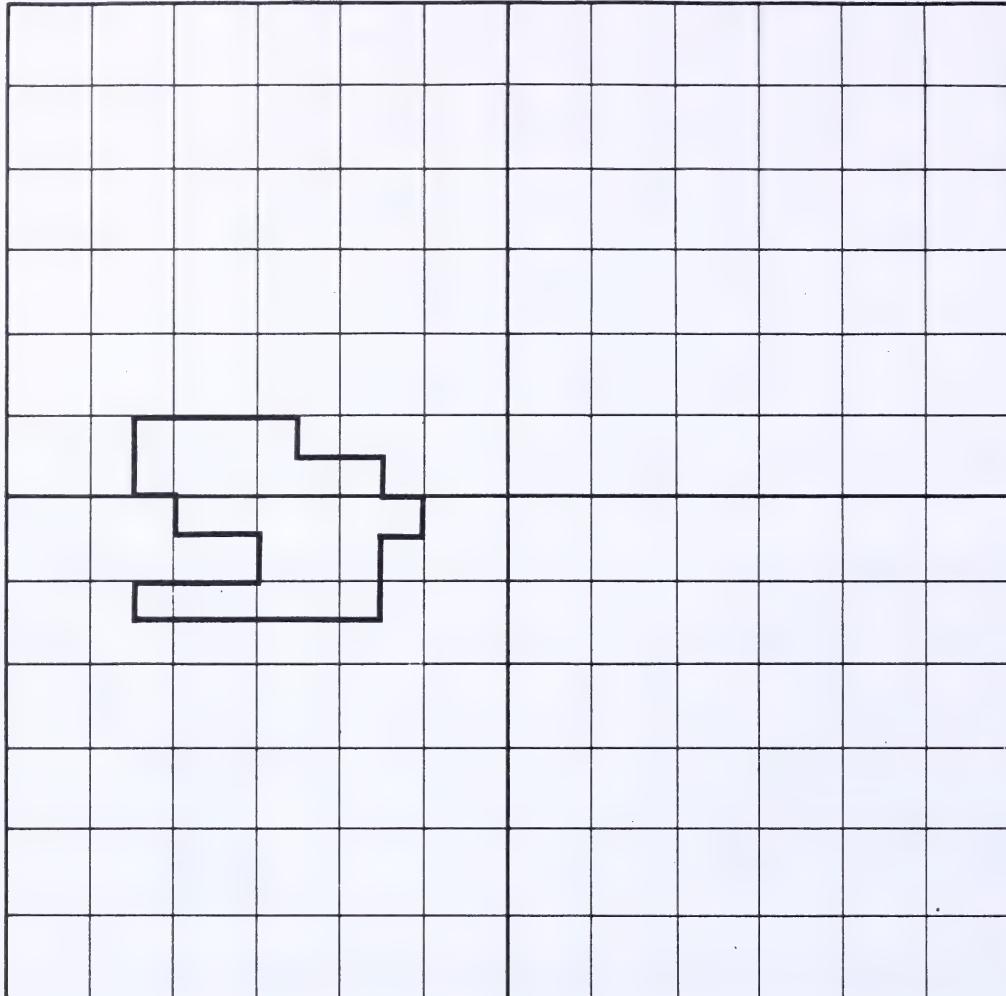
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.2

R.I W.5M.



WARBURG BELLY RIVER 'M' UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 OCTOBER 1969

UNIT OPERATOR- BP RESOURCES CANADA LIMITED

WESTEROSE LEDUC (D-3) UNIT

Located in the Westrose Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 January 1955

Participation Revised - 1 August 1989

*Unitized Zone - Leduc D-3 Formation

*Unitized Substance - Petroleum, natural gas, distillate condensate and other hydrocarbons

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Chevron Canada Resources	27.12010
Gulf Canada Resources Limited	46.27080
PanCanadian Petroleum Limited	13.30455
Petro-Canada Inc.	13.30455
	<hr/>
	100.00000

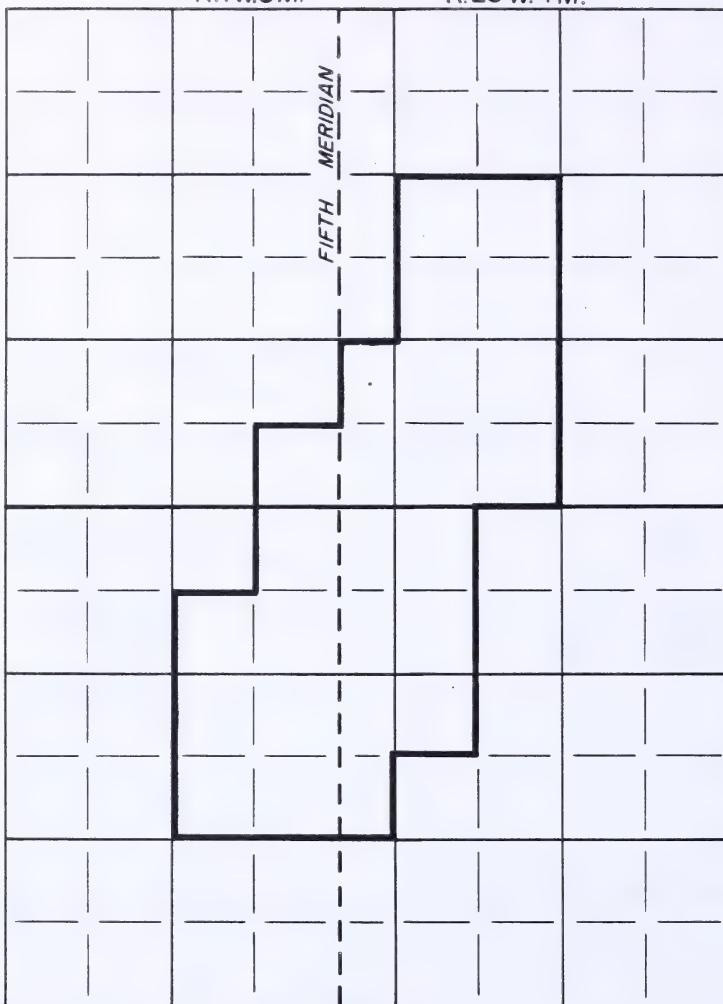
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
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R.1W.5M.

R.28W.4M.



WESTEROSE LEDUC (D-3) UNIT

UNIT OPERATOR — GULF CANADA RESOURCES LIMITED

INITIAL EFFECTIVE DATE — JANUARY 1, 1955

WESTEROSE SOUTH (DICK LAKE) LEDUC UNIT

Located in the Westeroose South Field

Unit Operator - Gulf Canada Resources Limited

Initial Effective Date - 1 December 1960

Participation Revised - 1 August 1989

*Unitized Zone - Leduc Formation

*Unitized Substance - Crude oil, natural gas, condensate and all other hydrocarbons (except coal)

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	3.08833
Canadian Jorex Limited	0.12299
Chevron Canada Resources	32.34539
Gulf Canada Resources Limited	42.57613
J. M. Huber Corporation	0.00547
Kerr-McGee Corporation	0.00958
Leddy Exploration Limited	0.01504
Norcen Energy Resources Limited	0.35141
PanCanadian Petroleum Limited	9.27540
Petro-Canada Inc.	9.27540
Phillips Petroleum Resources, Ltd.	0.01504
Royal Trust Energy Resources II Corporation	1.62808
Samedan Oil of Canada, Inc.	0.08785
Star Oil & Gas Ltd.	1.05376
Tap Capital Gas Corporation	0.00957
Herbert Daniel Wyman	<u>0.14056</u>
	<u>100.00000</u>

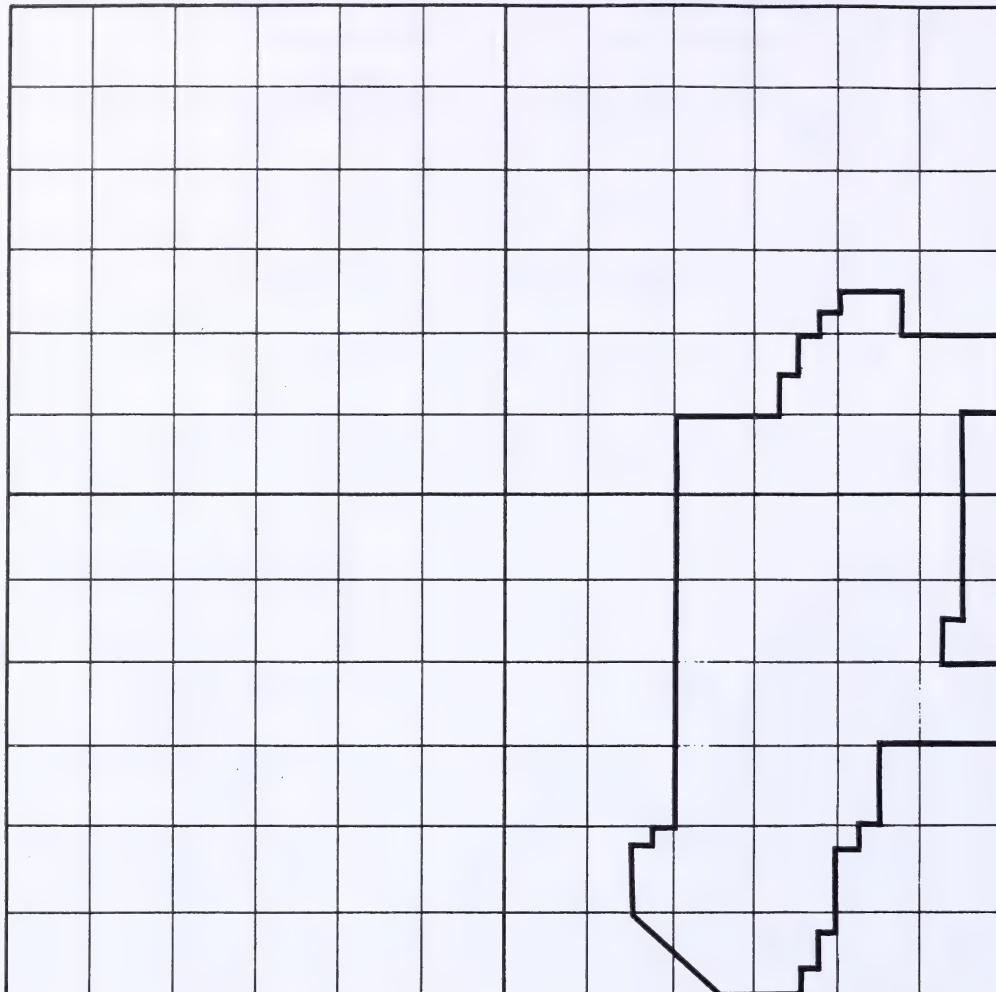
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.2

R.1 W.5 M.



T. 45

T. 44

WESTEROSE SOUTH (DICK LAKE) LEDUC UNIT

ERCB

INITIAL EFFECTIVE DATE - 1 DECEMBER 1960

UNIT OPERATOR - GULF CANADA RESOURCES LIMITED

WHITECOURT GAS UNIT NO. 1

Located in the Whitecourt Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 April 1971

Participation Revised - 1 July 1989

*Unitized Zone - Lower Mannville, Nordegg and Pekisko

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Petroleum Company Ltd.	9.5657
Amoco Canada Resources Ltd.	0.8115
BP Resources Canada Limited	9.2898
Canadian Superior Oil Ltd.	5.4737
Enerplus Resources Corporation	6.6984
Home Oil Company Limited	29.1900
Husky Oil Operations Ltd.	2.8222
Petro-Canada Inc.	36.1487
	<hr/> 100.0000

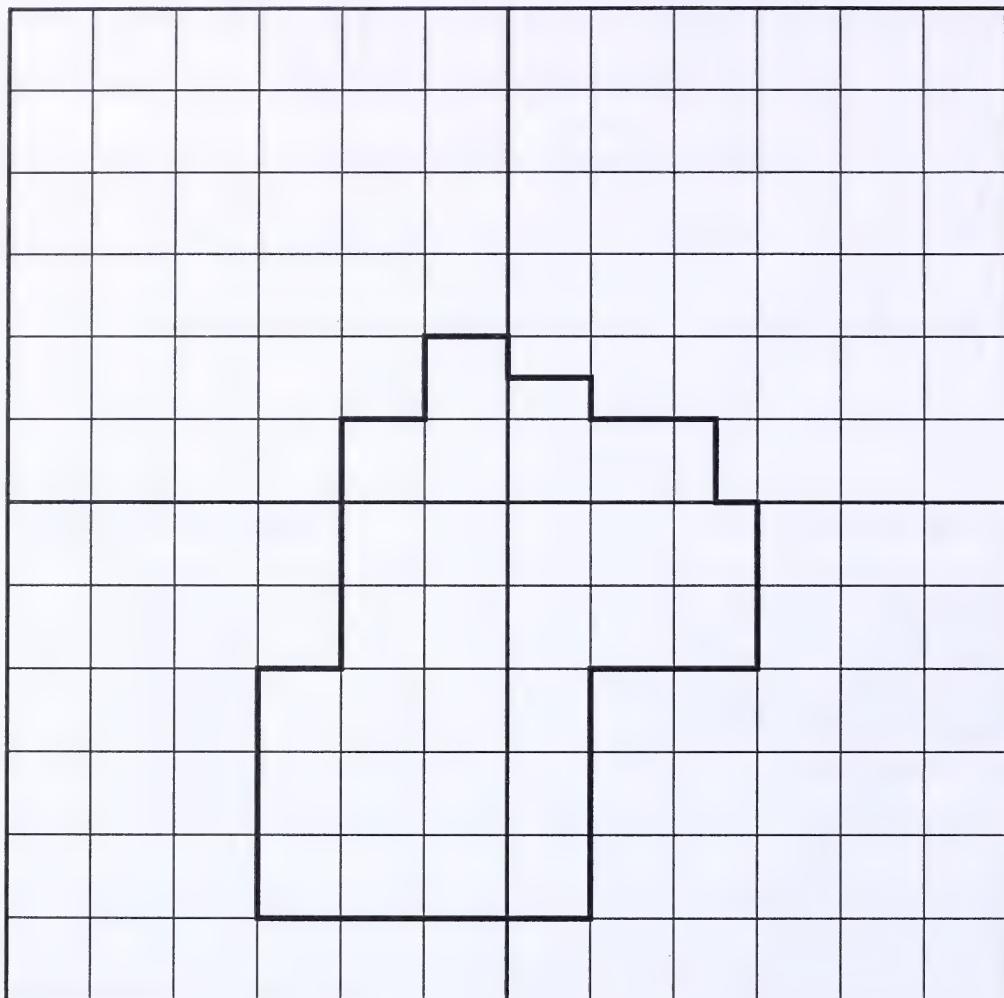
*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.12

R.11 W.5M.



WHITECOURT GAS UNIT NO.1

INITIAL EFFECTIVE DATE- 1 APRIL 1971

UNIT OPERATOR-PETRO-CANADA INC.

ERCB

WILDCAT HILLS UNIT

Located in the Wildcat Hills Field

Unit Operator - Petro-Canada Inc.

Initial Effective Date - 1 October 1964

Participation Revised - 1 July 1989

*Unitized Zone - Turner Valley Formation

*Unitized Substance - Natural gas

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	5.2420
Esso Resources Canada Limited	18.0515
Norcen Energy Resources Limited	24.4310
Petro-Canada Inc.	18.0515
Shell Canada Limited	34.2240
	<u>100.0000</u>

*For a complete definition of unitized zones and substances see Unit Documents

(For Area - See Reverse Side)

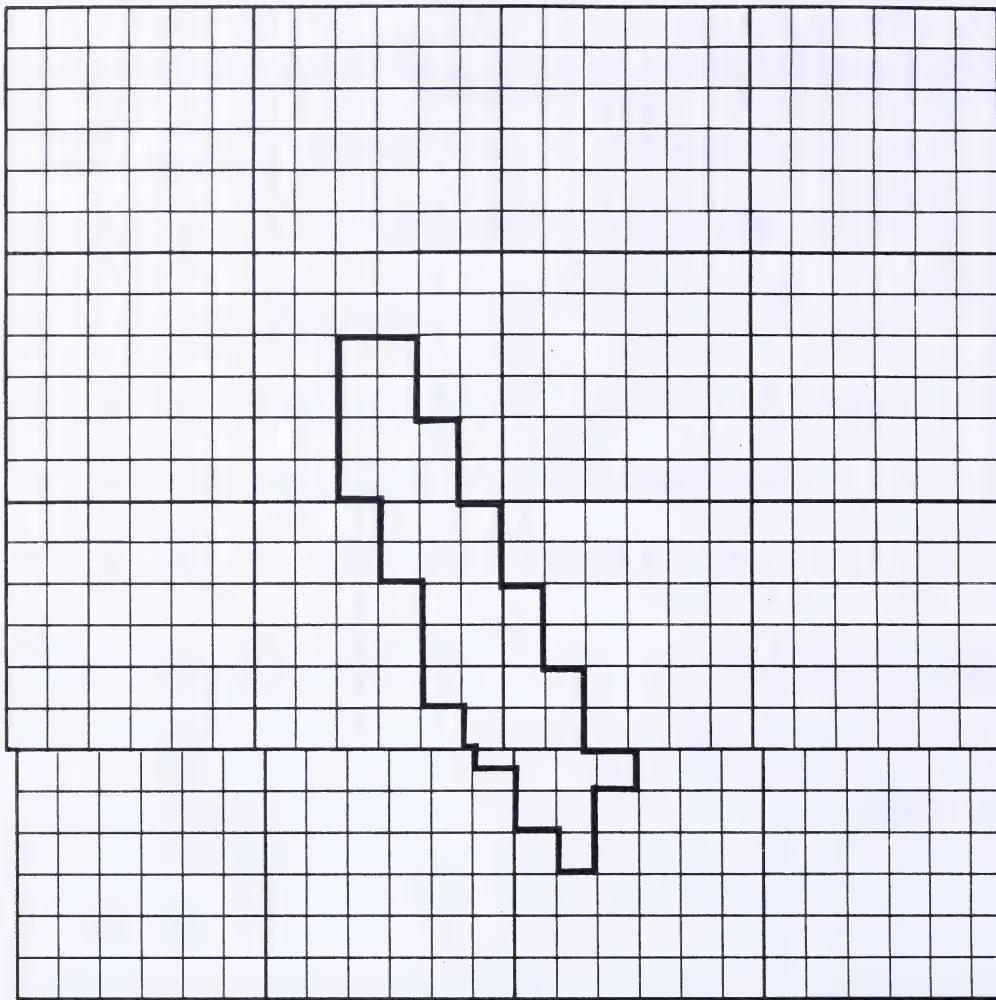
ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta

R.7

R.6

R.5

R.4 W5M



WILDCAT HILLS UNIT

INITIAL EFFECTIVE DATE - 1 OCTOBER 1964

UNIT OPERATOR - PETRO-CANADA INC.

ERCB

WILLESDEN GREEN CARDIUM UNIT NO. 6

Located in the Willesden Green Field

Unit Operator - Amerada Minerals Corporation of Canada Ltd.

Initial Effective Date - 1 March 1966

Participation Revised - 1 May 1989

*Unitized Zone - Cardium Formation within Unit zone

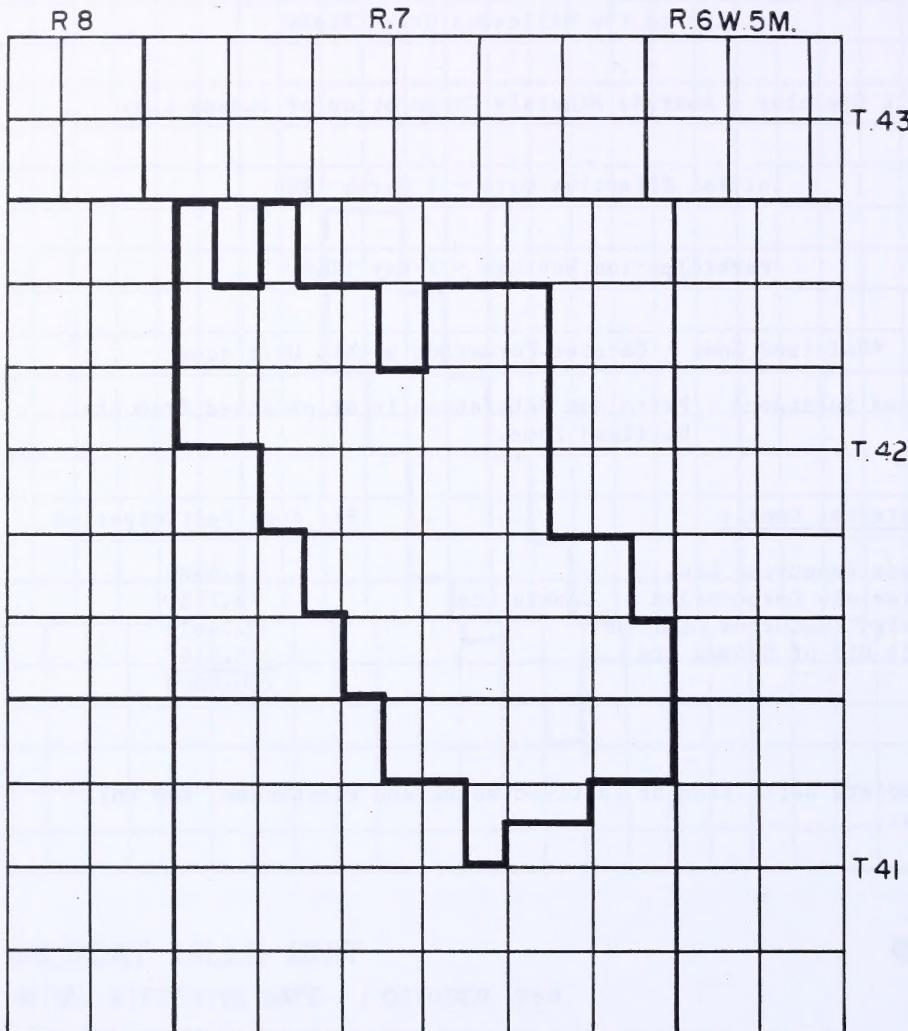
*Unitized Substance - Petroleum Substances in or obtained from the Unitized zone.

<u>Working Interest Owners</u>	<u>Per Cent Participation</u>
Amoco Canada Resources Ltd.	13.4480
Amerada Minerals Corporation of Canada Ltd.	78.1730
Norcen Energy Resources Limited	2.4629
Wintershall Oil of Canada Ltd.	5.9161
	<u>100.0000</u>

*For a complete definition of Unitized zones and substances, see Unit Documents.

(For Area - See Reverse Side)

ENERGY RESOURCES CONSERVATION BOARD
Calgary, Alberta



WILLESDEN GREEN CARDIUM UNIT 6

INITIAL EFFECTIVE DATE - MARCH 1, 1966

UNIT OPERATOR - AMERADA MINERALS CORPORATION OF CANADA LTD.





WILLISBURG, PENNSYLVANIA, 1900.

THE WILLISBURG MUSEUM

WILLISBURG, PENNSYLVANIA, 1900.